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SNAPDRAGON
Vaughan's Tetra
Supreme Mixed

Vaughan's

GARDENING ILLUSTRATED

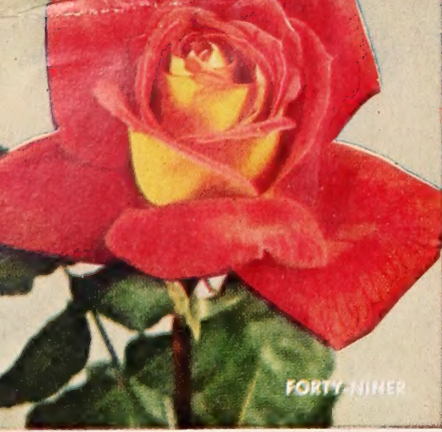
CHICAGO, 10 W. RANDOLPH ST. • NEW YORK, 47 BARCLAY ST.

1952

76th YEAR

Best 10 Roses

NATIONAL ROSE JURY AWARD



FORTY-NINER



KATHERINE T. MARSHALL



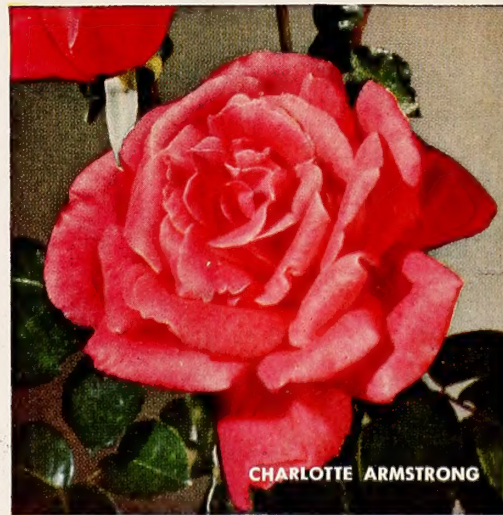
LOWELL THOMAS



NOCTURNE



PEACE



CHARLOTTE ARMSTRONG



SAN FERNANDO

Below RUBAIYAT

Below TALLYHO

Below MIRANDY



BEST 10 ROSES



QUEEN O'
THE LAKES

Special C 12

1 each of Best 10 Varieties.

Illustrated on Opposite page, described below.

Value \$19.25,
Save \$2.30

Price, \$16⁹⁵

Special C 22

1 each of 5 of Best Ten Roses.

Charlotte	Each
Armstrong	\$2.00
Forty-Niner	2.00
Kath. T. Marshall	1.75
Peace	2.50
San Fernando	1.75
Save \$1.05; Val.	\$10.00

Price, \$8⁹⁵

Special C 32

1 each of 5 of Best Ten Roses.

Lowell Thomas	Each
Mirandy	\$2.00
Rubaiyat	1.75
Nocturne	1.75
Tallyho	2.00
Save \$1.05 Val.	\$ 9.25

Price, \$8²⁰

From 36 new roses that won All America Rose Selection awards prior to 1950, the National Rose Jury selected the 10 varieties illustrated on the opposite page and described below, as still tops in the rose world.

The Plants We Offer Are Not Southern Roses

They are No. 1 2-year budded plants, grown on the Pacific coast, the very finest plants obtainable. Each plant has three or more canes, 18 inches long or longer, proving their vigor.

You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly.

THESE ARE THE TEN BEST ROSES

PEACE—AARS 1946 (Patent 591)

Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. \$2.50; 3 for \$6.75.

CHARLOTTE ARMSTRONG. AARS 1941. (Pat. 455). An amazingly beautiful Rose with long, slender, blood-red buds open into magnificent, brilliantly colored flowers, spectrumed in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut; plants are strong and vigorous. \$2.00; 3 for \$5.50.

FORTY-NINER. AARS 1949. (Pat. 792). A brilliant bicolor. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into well-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasing fragrance. \$2.00; 3 for \$5.50.

KATHERINE T. MARSHALL. AARS 1944. (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink; fruity fragrance. Marvelous grower, \$1.75; 3 for \$5.

LOWELL THOMAS. AARS 1944. (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. \$2.00; 3 for \$5.50.

MIRANDY. AARS 1945. (Pat. 632). The first place winner for 1945. The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance. \$1.75 3 for \$5.00.

NOCTURNE. AARS 1948. (Pat. 713). Perfect, long streamlined buds open to large, cupped blooms of cardinal-red with intriguing darker shadings of Chrysanthemum-crimson. Abundant, continuous bloomer. \$1.75; 3 for \$5.00.

RUBAIYAT. AARS 1947. (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Tall, vigorous, luxuriant foliage. Old rose fragrance. \$1.75; 3 for \$5.00.

SAN FERNANDO. AARS 1948. (Pat. 785). Large, long pointed buds, borne singly, open to high centered, fully double flowers of brilliant vermilion-scarlet. Its intense and lasting old rose fragrance is something to remember. \$1.75 3 for \$5.00.

TALLYHO. AARS 1949. (Pat. 828). Another bicolor of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting. Rich fragrance. \$2.00; 3 for \$5.50.

1952 All America Rose Selection Winners Offer C52

One each of all three 1952 AARS Winners, Fred. Howard, Helen Traubel and Vogue, (value \$7.75) for \$7.00. (See pages 78-79 for descriptions).

Copyright, by Vaughan's Seed Co., 1951

**SUB-ZERO
Roses**
4 for \$6⁷⁵



Everblooming Hybrid Tea Roses, One Each as Listed, Collection C42

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters. Prices: \$1.85 each; 3 of one kind \$5.25.

PINK PRINCESS (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation.

QUEEN O' THE LAKES. (Pat. App. For). This one is a dandy. A free blooming crimson red rose named for the Queen of Minnesota's Aquatic Sports. No diving beauty could have more grace or elegance of form than this crimson queen of flowers.

SHADES OF AUTUMN. (Pat. 542). Brilliant bicolor with orange-copper and carmine shadings. Fragrant flowers produced continuously all season.

V FOR VICTORY (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are very double, are on long stiff stems and are excellent for cutting.

We suggest you order early. Should we be sold out of a variety you order, we will send you another variety of the same color, and of equal or greater value, unless requested not to do so. See Pages 78-79 for Complete List of Roses.

All Roses are shipped via express from Western Springs, Ill. or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C. O. D.).

SIX HARDY GARDEN CHRYSANTHEMUMS \$3.95

POSTPAID FOR

These six are our pick of newer varieties which have proved their earliness, hardiness and decorative value for garden planting. We can recommend them for all these qualities, in addition to their beauty.

ALERT. New Brilliant purple, early and free blooming, 3" flowers.

CANARY WONDER. Perfect 1½" balls in utterly new shade of soft canary yellow.

Excellent for cutting. Blooms October 1st.

CARMINE QUEEN. Tall, large blooms of Carmine-Red. Luxuriant bloomer, fine for cut flowers.

HUNTSMAN. Bright scarlet. Rugged and vivid, an outstanding new mum. Mass of 3" blooms, lusty 2½ ft. plant, very hardy.

MISTY MAID. Deep Rose-Pink gradually changing to shell-pink to nearly white. 3" informal decorative flowers. Early bloom.

ROBINHUE. Very double, large red decorative. Blooms after October 1st. A topnotch mum for your garden.

Above varieties: 75c each; 3 for \$2.00.

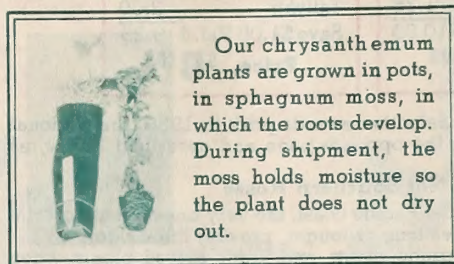
COLLECTION No. 1A. 1 each of above six for \$3.95.



ROBINHUE



RED CUSHION



Our chrysanthemum plants are grown in pots, in sphagnum moss, in which the roots develop. During shipment, the moss holds moisture so the plant does not dry out.

Azalea-Like or Cushion Mums

Compact, mound-like plants which blossom very early, and are covered with flowers for a long season. See illustration to the left.

Five New Ones, \$2.95

CANDY. Double pink with a sugar sheen, average 2 inches. There is just enough salmon and gold in center.

DWARF JEWEL. At last, a Jewel type flower on a compact cushion shaped plant. Color is a very pleasing soft lavender.

ORCHID HELEN. Orchid shade flowers, fully double. Early.

GOLDEN CARPET. Golden pompons on low mound-like plant.

MARTIN'S WHITE. Immense pure white flowers; fully double, about 4 inches across.

Above varieties: 70c each; 3 for \$1.85.

COLLECTION: No. 1D. 1 each of above five for \$2.95.

Five Favorites, \$2.35

The hundreds of blooms on these low spreading plants make them the Mum favorites of flower lovers.

BRONZE, PINK, RED, WHITE, YELLOW

Above varieties: 60c each; 3 for \$1.50.

COLLECTION: No. 1C. 1 each of above five for \$2.35.

Surprise Collection of Unlabeled Root Divisions

Unlabeled root divisions, assorted colors and types; 10 for only \$2.25; 25 for \$4.00; 50 for \$6.50, postpaid.

Famous Chicago Strain Seven Plants for \$4.50

Varieties bred for winter hardiness and early flowering by Dr. E. J. Kraus.

CHAS. NYE. Large, fully double, rich deep yellow flowers.

GLOWING COALS. Bright, deep cherry red with orange reverse. One of the best early reds. Plants are vigorous growers; produce a profusion of blooms.

KATHLEEN LEHMAN. Brightest orange-gold, deepening to red-gold at center. New.

MEDITATION. Magnificent, 3-inch fully double flowers of soft light jasper-red and maize-yellow with orange reverse. An outstanding new mum.

MAGNIFICENT. Glorious 4" flowers of plum-red or rosy cardinal with coppery cast.

PAPER WHITE. Very pure white flowers on dwarf plants. Very early in the north.

PATRICIA LEHMAN. Sparkling geranium-pink with peach center, twisted petals.

Above varieties: 75c each; 3 for \$1.95.

COLLECTION: No. 1F. 1 each of above seven for \$4.50.

Hardy English Mums Six of the Best for \$3.95

While their flowers are as large as greenhouse chrysanthemums, these English varieties give a dazzling garden display before freezing.

ALABASTER. Early white large incurved flowers of good substance.

BRONZE EARLY BUTTERCUP. Rich deep bronze with golden reverse. Disbud.

COPPELIA. Ripe tomato color. Blooms late September. Double, free-flowering.

LEDA. Large heliotrope pink, rolled petals.

MRS. T. GUTHRIE. A very large, chestnut-red with bronze reverse, broad reflexing petals. Will make a 6" bloom if disbudded.

YELLOW ALABASTER. Soft yellow on strong stems. A wonderful cut flower.

Above varieties: 75c each; 3 for \$1.95.

COLLECTION: No. 1E. 1 each of above six for \$3.95.

Spoon Chrysanthemums

Their name is derived from the character of their petals, which tend to form tubes, enlarged at the end to resemble a spoon.

CHARM. Opens salmon-red, and slowly fades to rich dusty rose.

IVORY. Dainty ivory-white, prolific bloomer.

YELLOW SPOON. Very fine, bright golden yellow tubes and spoons.

MAGENTA. Lively, magenta-rose, spoon type flowers in profusion. The peak of perfection.

Above varieties: 65c each; 3 for \$1.75.

COLLECTION: No. 1B. 1 each of above four for \$2.35.

Time Tried Varieties

Six Plants for \$3.25

These are free-flowering varieties still outstanding in their color classes.

AVALANCHE. Early white, 4" flowers.

JAYEFF. Deep pink with flowers 4" or more in September.

LAVENDER LADY. True lavender 3" flowers on perfectly branching sprays.

RED VELVET. Velvety crimson.

SEPT. SUNSHINE. Brilliant yellow blooms from mid-September until frost.

SILVER TIP. Bright carmine with the tip of silvery white. Large, fully double blooms.

Above varieties: 65c each; 3 for \$1.75.

COLLECTION: No. 1G. 1 each of above six for \$3.25.

ALL PRICES PREPAID

75th ANNIVERSARY OFFER

SAVE 20%

ON CASH
ORDERS OF
PACKET SEEDS

**\$3.00
FOR \$2.40**

To VAUGHAN'S SEED CO.

601 W. Jackson Blvd., Chicago 6, Ill.

47 Barclay St., New York 7, N. Y.

M

Date.....19.....

NAME Mr. _____
Mrs. _____
Miss _____

Write very plainly

Street, P. O. Box
or Rural Delivery.....

Post Office.....State.....
(City Zone No.)

Express or Freight Office { If different }
from P. O. }.....Forward Goods by.....
(Parcel Post, Express, Freight)

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

AMOUNT ENCLOSED \$.....
☐ Money Order ☐ Draft or Check ☐ Cash

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

OUR GUARANTEE

All our stocks are sold under the following conditions: We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil and weather conditions. Therefore, in no case, shall Vaughan's Seed Co. be liable for more than the amount actually paid us for seeds, bulbs or plants.

This space for office use only.	Filled by	Ex. <input type="checkbox"/>	Flower <input type="checkbox"/>	Veg. 1 <input type="checkbox"/>	Grass <input type="checkbox"/>	Bulb <input type="checkbox"/>	Sup. <input type="checkbox"/>	Fert. <input type="checkbox"/>	Re-Check
	Date								
	Checked								
	No. Pkgs.								

QUANTITY

DO NOT
ABBREVIATE

NAME OR CATALOG NUMBER OF ARTICLE
Where Catalog gives a Number, please order by it.

PRICE

DOLS. CTS.

**\$3 VALUE \$2.40
FOR**

**Flower and Vegetable
Packets of Your Selection**

WE SHARE with you our saving in handling expense on larger, earlier CASH ORDERS. If your purchase of packet seeds totals \$3 or more you may select according to the following schedule:

Seeds worth \$3 for \$2.40
Seeds worth \$4 for \$3.20
Seeds worth \$5 for \$4.00
And so on upwards to any amount.

In other words a 20% discount on orders for seeds as detailed below totaling \$3.00 and over, catalogue value.

**This Offer is Definitely
Limited to Cash Orders
Only for:**

Flower and vegetable seeds in packets, ounces and fractions of ounces.

Peas, beans and corn in half pound and 1 pound units, but not including other seeds by weight larger than ounces.

**This Offer Does Not
Apply**

To mail orders for any other items except those specified above.

The extra seeds must be listed in original order; no allowance can be made subsequently for failure to include them. If your list totals less than \$3.00, combine it with a neighbor's order to obtain the quantity price. The combined order must be shipped in one parcel, to one address.

IN MAKING YOUR ORDER, PLEASE GIVE THE SIZES AND PRICES TO AVOID DELAY AND ERRORS. CARRIED FOR'D \$
If we cannot supply variety ordered, we will send one equal or better, unless forbidden.

You CAN GROW LARGEST DAHLIAS

\$3.95

FOR 8 VARIETIES
OF CHAMPION
RAINBOW COLORS



DEEP VELVET

One Each of the Following Varieties (VALUE \$7.30)

VARIETIES listed below are all late introductions, sold not long ago for as much per tuber as we ask for this collection. From these tubers, flowers of the largest size can be grown, by following the culture and disbudding instructions which we send.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions having demonstrated their merit in the garden and on the exhibition tables. Besides large size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

CHARLES L. MASTIK. (F.D.) Large blooms of two-tone effect ranging from bronze to bright orange. A fine keeper when cut. Each, 85c.

CENTURY OF PROGRESS. (F.D.) A rare dark blue-purple, rich and vivid, in flowers of good size borne on medium bush with good stem. Each, 85c.

DEEP VELVET. (F.D.) Petals of a velvety texture of darkest carmine overlaid with ox-blood red. A strikingly decorative flower. Each, \$1.00.

ELEANOR FRANCIS. (I.D.) Compact blood-red blooms with good stems and dark foliage; an excellent keeper. Each, 85c.

FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for \$2.00; doz., \$3.75.
No order accepted for less than 6.
DELIVERY FEB. 15th TO JUNE 1st.



The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.

DEUIL DU ROI ALBERT. (F.D.) Purple and white bi-color of vivid contrast, which will be a focal point in the garden. Good grower with long stems. Each \$1.00.

MRS. WM. KNUDSON. (F.D.) Large pure white flower borne on straight and strong cane-like stems. Attractive in the garden and in bouquets. Each, \$1.00.

MID-WEST CHAMPION. (I.D.) Brilliant Violet-rose and white, in a decorative blend which will attract attention anywhere. Vigorous, with strong stems. Each, 75c.

MUSTANG. (C.) A giant Australian cactus variety of true pink, of exceptional size, on vigorous plant. Outstanding show type. Each, \$1.00.

100 STRAWBERRY PLANTS \$3.25

Special Offer 181S. A Strawberry collection, 100 fine strong plants (spring delivery only) in four good sorts, our selection, postpaid, for \$3.25.

Strong Field Grown Plants, Shipped from Early Spring up to May 15.

✓ **NEW SPARKLE STRAWBERRY.** An excellent, new, experimental station-bred variety that lengthens the strawberry picking season for the home or market.

✓ **FAIRLAND.** New introduction of the United States Department of Agriculture resistant to red stele disease. Early bearing, large, bright red firm berries of excellent flavor.

✓ **ROBINSON.** The new super berry. Finest flavor. Large, glossy, firm red fruit.

✓ **PREMIER.** Early. Berries are large, beautifully formed.

PRICE, on the above 4 varieties, 25 for \$1.70; 50 for \$2.50; 100 for \$3.70; 250 for \$7.75; 500 for \$11.75, postpaid.

✓ **SENATOR DUNLAP.** Midseason. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere, **Price,** 25 for \$1.25; 50 for \$1.90; 100 for \$2.85; 250 for \$6.50; 500 for \$10.00, postpaid.

Everbearing Strawberries

✓ **MASTODON.** Most widely planted ever-bearer. **Price,** 25 for \$2.00; 50 for \$3.60; 100 for \$6.00; 250 for \$11.00; 500 for \$18.50, postpaid.

✓ **NEW SUPERFECTION.** Is one of the newest and best everbearing strawberries resulting from modern plant breeding, bears heavily in June until frost. Large bright red berries with an extra delicious flavor.

✓ **MINNESOTA 1166.** Easy to grow in any garden. If you plant Minnesota 1166 this spring you can enjoy fresh Strawberries



from your own garden this summer. They are delicious, healthful and economical—summertime's most delicious fruit. Plants are in big demand because of its outstanding performance, so order yours early.

PRICE, on foregoing 2 varieties, 25 for \$2.25; 50 for \$4.00; 100 for \$6.50; 250 for \$14.00; 500 for \$20.00, postpaid.

Now!

A NEW KIND OF LAWN

from all -
NEW GRASSES

Research Develops New Grasses

Improved lawn grasses now becoming available to home owners are largely due to research during the last thirty years by the United States Department of Agriculture, the United States Golf Association greens section, and several experiment stations.

Merion bluegrass was developed from a patch of turf taken from a tee in the Merion Golf Club, Ardmore, Pennsylvania. Attention was attracted to this patch because it held its green color in hot weather, and had not been injured by close mowing.

For several years, it has been tested by competent turf growers in all parts of the country. It takes only one-third as much seed to cover a given area as Kentucky bluegrass. Thus, seed at a much higher price per pound than standard lawn mixtures may actually cost less for sowing the same area.

Merion is resistant to leaf spot, maintains its vigor of growth in hot weather, and shades the soil from the sun, making it difficult for crab grass to germinate, as crab grass seed germinates only in the sun.

Creeping Fescues and new types of bent grass have also been developed which turf experts agree are superior to older varieties. From those of which seed is available, we have selected as the best companions of Merion in a lawn seed mixture suitable for average conditions over a wide area. This mixture we offer as our Merion Blue Grass Formula.

Vaughan's "Parks" Mixture

Standard Kentucky Blue Grass Blend, formerly Chicago Parks

Wherever a lawn is desired which combines the maximum of beauty and economy with a minimum of care, we recommend this mixture. Its basis is the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf. White clover is not included in this mixture, but it can be ordered separately. In one pound of Vaughan's "Parks" Lawn Seed there are 3,682,560 seeds.

Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.40; 20 lbs., \$21.75; 25 lbs., \$27.00; 100 lbs., \$104.00. Postpaid anywhere in the U. S. A.

Merion Blue Grass Formula 100% Perennial Grasses

Contains: 30% Merion Blue Grass; 60% Illahee Creeping Fescue or Penn State Chewings Fescue; 10% Highland Bent. 1 lb., \$3.25; 3 lbs., \$9.75; 5 lbs., \$16.00; 10 lbs., \$31.50. Limit of 10 lbs. per customer. No mail orders accepted after April 15. Postpaid Anywhere in the U. S. A.

Produces thicker turf, stays greener all summer and stands closest mowing. 1 pound covers 750 square feet, 3 times as much as standard blue grass mixtures, thus being no more expensive to sow an equal area.

30% Merion Blue Grass, propagated from a single plant selection, which has demonstrated in trials throughout the northern part of the country ability to stay green all summer, stand close mowing, and resist leaf spot and other diseases. Because its growth is more stocky and spreading than standard blue grass, it covers more ground, and less seed is required for a given area. We regard it the most important lawn grass introduction in the last century.

60% Illahee Fescue or Penn State Chewings Fescue, both improved strains of Fescue and tested for their ability to stand close mowing. Both do well in acid or sandy soils; so we will use whichever is available on receipt of your order.

10% Highland Bent, dry land or upland bent, more drought and disease resistant than most bents and not requiring the care of creeping bent, it spreads underground and makes a thick turf, helping keep down weeds and spreading quickly to cover bare spots. Its dark green color persists through summer drought and heat; and it germinates so quickly after sowing as to act as a nurse crop for companion grasses.

Straight Merion Blue Grass

For those desiring straight Merion Blue grass we are unable to offer for spring shipment but will book orders for 1952 crop, **shipment around Sept. 1, 1952** which is the best time to sow, as follows:

Price, 1 lb., \$4.50 per lb; 3 lbs., \$13.50; 5 lbs., \$21.25; 10 lbs., \$42.00; all postpaid—We will fill orders on basis of date received.

FOR OTHER LAWN MIXTURES, GRASSES AND FARM SEEDS, SEE PAGE 94

Precision Lawn Spreader Saves Money and Time



A good lawn spreader quickly repays its cost in the time and materials it saves, by easily performing such tasks as distributing plant food, weed killers, top dressing, evenly and economically over the whole lawn area. In sowing grass seed with precision it can make one pound do the work of two or three times as much when sown by hand. For precise control and lasting service the Master spreader is unsurpassed.

No. 25S, 20 lb. capacity, steel wheels. Each, \$8.25; No. 25-D same with rubber tires and tubular handle with rubber grip, each

\$9.25. No. 30, 50 lb. capacity, with rubber tires and rubber grip handles, each, \$11.75.

Masters Perfect Spreader, heavy duty, No. M241, 24 inch, with steel wheels, price, \$30.50; No. M361, 36 inch, with steel wheels, price, \$42.50; No. 361D, 36 inch, with rubber tire wheels, price, \$47.25. No. M361 S. D. 36 inch. stainless steel agitator and bottom with semi pneumatic tires, each \$56.95.

Grass Clipper That's Kind To Your Hand

ROWE'LEZY. Instead of shears to clip the grass near walks, beds, borders and other edges which lawn mowers cannot reach, Rowe'l-Ezy (roll easy) will do it faster and better. One turn of the rubber tired driving wheel is equal to 16 snips with the shears in your weary hand. It works forward and backward, on your left or right, and where lawn is above or below a walk. It will save you hours of the most tedious lawn task.



Each, \$4.45.

Lawn Cultivator Gives Grass Sturdy Growth



For sturdy grass growth aeration it is essential to let air and water into the soil. The lawn and green cultivator illustrated is adequate for home lawns.

No. 8T, 8 discs, each 10 inches in diameter, rolling width 16 ins. Net weight 32 lbs. Tray is provided so weight may be added. Each, \$15.00.

No. 30, 19 discs, each 10 inches in diameter, rolling width 18 inches. Net weight 100 lbs. Each, \$42.00.

New Soluble Plant Food Is 79% Available

FERTIL-FLO. Soluble plant food is increasingly popular, because of many advantages, some recently discovered by scientists. Among them are: Higher analysis, reduced weight, faster action. Easy spreading is a big advantage, since it can be applied safely and evenly through the hose water, to lawns and gardens even in midsummer.

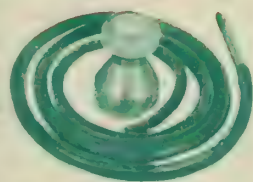
Discovery of foliar nutrition, the feeding of plants through their leaves, provides an easy method of feeding growing plants throughout the summer with a minimum of work and maximum effect. It claims that a higher percentage of plant food is absorbed by the leaves than by the roots are fully established, the economy of soluble plant foods will be proved beyond question.

As the best soluble plant food to recommend to our customers we have decided on Fertil-flo, which has the highest percentage of food elements, 100% soluble, which we could find. Seventy-nine percent of its volume consists of Nitrogen, 10%; Phosphoric Acid, 52%; water soluble potash, 17%. When dissolved, no residue remains.

This mixture has been widely tested as a starter solution with remarkable results. If complete instructions which come with every package are observed, it can be applied without danger of burning to growing lawns and gardens to produce immediate effect, in cold spring or hot summer. During drouths it will reduce the need for irrigation. For application to lawns and gardens, spread 1 lb. dissolved as instructed, over 400 square feet. Fertil-flo, 3 ozs., 25c; postpaid, 40c; 1 lb., \$1.00; postpaid, \$1.15; 10 lbs., \$6.00; prepaid, \$6.50; 25 lbs., \$9.00; prepaid, \$9.75.

Feeds Plants Through Hose Water

HOZON. Simplest, most practical and widely useful gadget to mix plant food and some insecticides and fungicides with the hose water is Hozon. This siphoning device draws from an open bucket



or tub water in which the soluble plant food has been mixed. Insoluble residue remains in the bucket, without rising to clog or corrode the siphon. The liquid from the bucket is mixed with hose water in the ratio of 12 to 1, when pressure is 25 lbs. One gallon of solution is drawn from the pail in about 5 minutes, and distributed over the lawn or garden diluted with water 12 to 18 times its volume, depending upon the pressure. Hozon siphon is brass, with stainless steel check valve, rubber suction tube and stainless steel strainer to prevent clogging. Each, \$2.25, postpaid, \$2.35.

A Drink Of This Makes Plants Kill Insects

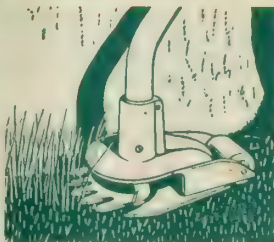
Insects which prey on plants can be killed by applying insecticide to the soil. Most successful example is found in sodium selenate, which florists have used for several years, on greenhouse flowers. Tiny insects which infest African violets and other house plants disappear when it is applied to the soil in which they grow. Sodium selenate is a poison, and should be used with caution. Do not apply it to food plants of any kind. To insure safety when used with house plants we offer it in capsules, each containing a safe but effective dose for an average pot.

KAPSULATES. Box of 12 capsules, 60c, postpaid. Box of 24 capsules, \$1.10, postpaid.

New Lawn AND Garden Aids

Electric Lawn Shaver Trims Hard Places

For a perfect lawn, the ragged edges which lawn mowers cannot reach may take hours of tedious labor to trim. This becomes minutes if you have a Kaufman electric trimmer. With a long handle you guide it standing up, and can cut close to walks, driveways, trees, stones, walls, etc. Its weight is well balanced and easy to handle. Each, \$46.70.



Long-Lasting Plant Food Rich in Organics

GROGANIC. Research has proved that plants respond to food elements which are found in both mineral and organic forms. Those derived from minerals are effective quickly, and in soil temperatures too low for bacterial activity. Organics become available to plants more slowly, and require warm soil and bacteria to release their food content completely.

By combining mineral and organic elements, long-lasting nutriment can be provided. Groganic contains no filler whatever. Bulk is provided by dried blood, fish scrap, castor pomace and vegetable meal, all relatively expensive, which break down slowly. Boron is added to correct acidity and manganese sulphate to prevent chlorosis (yellowing) in leaves. Chemical nitrogen, phosphorus and potash are added—all quick acting and stimulating growth in early spring.

The analysis of Groganic is 6-11-6, 6% nitrogen, 11% phosphorus, 6% potash. An application of 15 lbs. per 1,000 square feet will provide continuous feeding effective in 10 days and lasting 300 days. 5 lbs., 75c; postpaid, 90c; 10 lbs., \$1.25; postpaid, \$1.60; 25 lbs., \$2.75; postpaid, \$3.50; 80 lbs., \$6.25; prepaid, \$7.50. Prepaid prices apply within 300 miles.

Kill Weeds, Feed Lawn, With Same Material

FEEDZ AN' WEEDZ. With this dry mixture you can kill lawn weeds and stimulate lawn grasses to fill places left vacant, all in one operation. A way has been found to mix a balanced plant food, 6-10-4, with the selective weed killer, 2, 4D, so that both retain full effectiveness. Use a fertilizer spreader to apply to the lawn, at the rate of 1½ pounds for 100 square feet. If your spreader requires it, mix in sand to help spread evenly, and be sure the grass is dry. Wash it in with the hose, as with any dry plant food. 10 lbs., covers 600 square feet \$1.85; 25 lbs., covers 1,500 square feet, \$3.00; 100 lbs., \$8.95.

P.C. Outmodes All Other Crab Grass Killers

Experiment stations and golf greens experts throughout the country report that Potassium Cyanate outmodes all other crab grass killers on mature crab grass plants.

Nonpoisonous to adults, children, pets, birds, it leaves no harmful residue, but actually stimulates grass growth. It is harmless to other garden plants, but kills almost-mature crab grass plants before they seed, and kills chickweed, which resists 2, 4D.

Used on bent grasses, it usually discolors and in excessive strength may kill. Reduced to half the recommended strength, it will seldom cause more than a slight discoloration for a few days. Be sure to use a spray for bent.

You can buy it, if you wish, combined with 2, 4D, to make one spray kill all the lawn weeds that we know about.

Crab-Not, Formulation of Potassium Cyanate

4 oz., to cover 600 sq. ft. \$1.00 postpaid; 16 oz., to cover 2,400 sq. ft. \$2.95, postpaid; \$3.10; 6 lbs., to cover 14,000 sq. ft. \$10.95 by express, collect.

Special Crab-Not, Includes 2.4 D

4 oz., to cover 600 sq. ft. \$1.25 postpaid; 16 oz., to cover 2,400 sq. ft. \$3.50, postpaid, \$3.65; 6 lbs., to cover 14,000 sq. ft. \$12.50 by express, collect.

Sel-Tox

To kill crab grass seedlings when they first develop in late May and early June, Sel-Tox, a formulation of mercury acetate (PMAS); does a superior job. See Page 86 for description and prices of Sel-Tox. Do not use it within 30 days prior to sowing new seed, as it may delay germination.



Hidden Rope Keeps Animals Away

VAUGHAN'S ANIMAL REPELLANT ROPE. Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in foliage. All animals hate this odor. 100 ft., in can, \$1.50, prepaid.

New Red Spider Remedy

ARAMITE. When evergreens lose color and phlox leaves or rose leaves turn brown, red spider is likely to blame. This almost microscopic pest, and other insects even smaller, do lots of damage to garden plants, and are difficult to control.

Extensive tests by experiment stations have shown that Aramite, a new material, is a better control for these pests than older remedies. It does not burn, is practically non-poisonous to man and gives high quick kill of insects and eggs plus residual effect. 4 Oz., each, \$1.00; postpaid, \$1.15; 4 lbs. for \$4.25; postpaid, \$4.60.

Newer Vegetables

SPECIAL OFFER No. 1

One pkt. each of the following six varieties listed on this page (\$1.75 value) prepaid, \$1. This includes Greenpod Bush Bean Wade; Lettuce Salad Bowl, Sweet Corn Hybrid Golden Midget; Cucumber The Vaughan Hybrid; Wando Pea, and Vaughan's Early Hybrid Tomato.



C-174 THE VAUGHAN HYBRID CUCUMBER. Pkt., 25c.

Slenderest Cucumber Gives Long and Heavy Yield

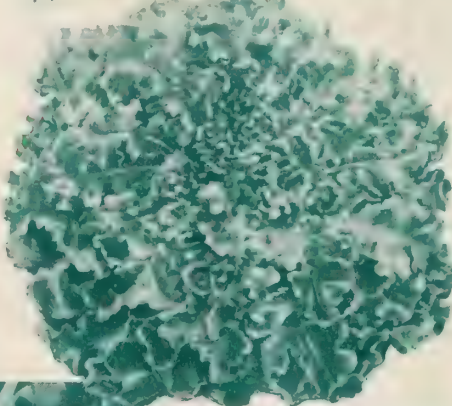
C-174 The Vaughan Hybrid Cucumber. 65 days. Here is the ideal cucumber in appearance—long, dark green, and slender. When you add F1 hybrid vigor and resistance to the mosaic disease, which cuts short the life of so many varieties, you insure a big harvest spread over a long season, just what the home gardener requires. It is the best of all the hybrids in our opinion, and especially fitted for climbing a fence or trellis in the small garden, where it gives a maximum yield for the space occupied. Pkt., 25c; ½ oz., \$2.75; oz., \$5.00.

Midget Corn Sweetest of All Hybrids

C-125 Sweet Corn Hybrid Golden Midget. 65 days. Small gardens cannot grow much sweet corn but they can grow the sweetest, tenderest heavy yielding hybrid of all in this variety. The 8-row ear will remind you of Golden Bantam, not only in appearance but in delicious flavor. Stalks grow only 3½ feet tall, ears are 5 inches long, produced over a long season. For limited space, it gives a maximum yield and flavor unrivaled by any other hybrid. Pkt., 50c.

Leaf Lettuce Salad Bowl Gives Longer Harvest

L-34 Leaf Lettuce Salad Bowl. 45 days. All America Gold Medal, 1952. For tossed salad, leaf lettuce is indispensable. Its tender, crisp leaves "take the dressing" and blend perfectly in flavor with more pungent ingredients. This new variety bred by Dr. Ross C. Thompson, U.S.D.A., produces a bushy plant which fills a salad bowl with a perfect rosette of rich green leaves. It is as early as Oak leaf, stands the sun better, grows faster though slower to bolt and is of top table quality. A honey for home gardens. Pkt., 25c; ½ oz., 55c; oz., \$1.00.



L-34 LEAF LETTUCE SALAD BOWL. Pkt., 25c.



Harvest Peas Through July and August

P-17 Wando Pea. 64 days. Where spring is short and summer hot, peas have so brief a season the harvest is counted by days. But here is a wrinkled pea, of excellent quality, which thrives and bears through the hottest summer months. You can plant them late in June for a harvest in September. Sow every three weeks for a succession of crops which will give you a continuous supply all summer, fresh from the garden, with all the enjoyment that implies. Excellent for freezing, also. Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

New Gold Medal Bean Sets Quality Record

B-1 Greenpod Bush Bean Wade. 55 days. Though we had great new beans in Top Crop and Contender, judges in the All America trials found this variety to be still greater, and awarded it the Gold Medal for 1952. Its name honors its breeder, the late Dr. B. L. Wade, whose sudden death was a great loss to horticulture. A round pod, deep green, 5½ to 6 inches long, slender and straight, combines top table quality with heavy yield. It grows tall, and holds its pods well off the ground. It is resistant to mosaic and powdery mildew, which so often cut short the bearing season of other varieties. For canning, freezing, or immediate use, it is unsurpassed. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.45.



Grow This for Lots of Earliest Tomatoes

T-44 Vaughan's Early Hybrid Tomato. 68 days. In competitive trials conducted last summer by an Eastern College, this won the race for early fruit. No other variety produced so high a total yield before Aug. 10. To the amateur this means ripe tomatoes from his own garden weeks earlier, something every gardener wants. The bright red fruits are smooth and round, medium to large in size, firm and non-acid in flavor. Good reports come from all parts of the country. Pkt., 25c.

B-1 GREENPOD BUSH BEAN WADE. Pkt., 25c.



B-11 POLE BEAN BLUE COCO. Pkt., 25c.

College Bred Popcorn Pops Off Its Hull

C-135 Illinois Hulless Popcorn. 100 days. Is it possible to improve popcorn? The right answer is: Yes, by removing the hull. Dr. B. L. Weaver of the University of Illinois proved this when by the magic of plant breeding he made the improvement. When this variety pops, off goes the hull and a huge, pure white, tender and delicious confection remains, over thirty-five times as large as the kernel. By the eating test it is superior to all others, including hybrids, white or yellow.

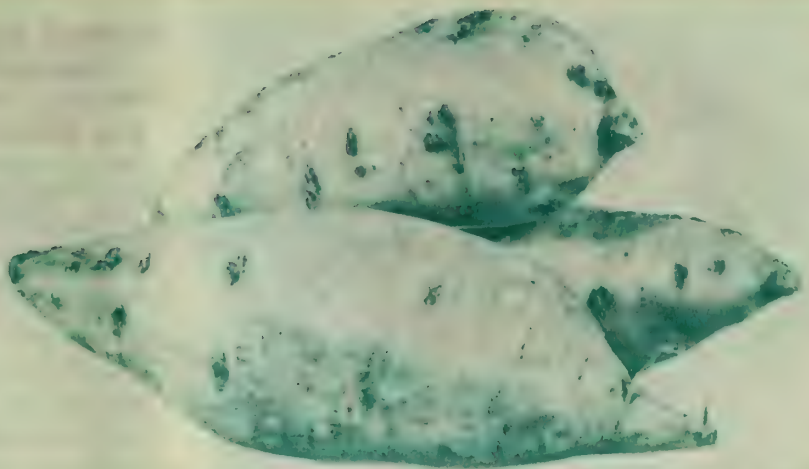
When you send an order, remember the seed corn, intended for growing, does not pop well. Specify in your order, if you want seed processed for popping.

Seed processed for sowing. Pkt., 25c; $\frac{1}{2}$ lb., 50c; lb., 90c; 2 lbs., \$1.65.

Kernels processed for popping. $\frac{1}{2}$ lb., 40c; lb., 65c.



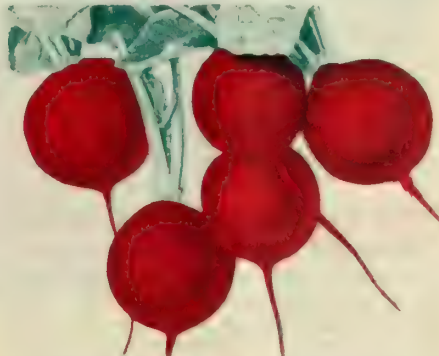
ILL. HULLESS POPCORN. POPS 35 TIMES ITS VOLUME AS CHECKED BY DR. B. L. WEAVER



P-24 MURFF BUSH SWEET POTATOES.

Blue Beans for Gourmets

B-11 Pole Bean Blue Coco. 65 days. Would you believe that this bean, with blue-purple pods of the irregular shape pictured, is the best flavored bean in the world? Many gourmets think it is, though it would not get a second glance from a chain store buyer or garden show judge. It is an old French pole bean, revived by the late Eleanor Rohde of England, who said nothing new by scientific breeders had ever equaled it. Pods that grow 9 inches long, on vines 15 feet tall, should be picked when 6 inches long for top quality. They are decorative as well as delicious. Vines are resistant to bean diseases and thrive in dry weather. The pods turn green when cooked. Pkt., 25c; $\frac{1}{2}$ lb., 65c; lb., \$1.15.



Warm Weather Globe Radish

R-9 Radish Cherry Belle. 25 days. In spite of its fast growing earliness, this new variety from Holland is slow to turn pithy the way other earlies do. Actually it reaches its best quality when the soil begins to warm up, so you can harvest several crops before hot weather. Round as a cherry and just as red, it has short tops and thrives in any garden soil. It won an All America bronze medal. Pkt., 25c; oz., 35c; $\frac{1}{4}$ lb., 65c; lb., \$1.75.

For Largest Carrot Yield Grow Long Ones

C-43 Carrot Imperida. 77 days. To get the largest yield of carrots from the space devoted to them without sacrificing quality, a root that grows deep is required. This latest variety of this type was bred by Dr. Franklin at the Boise, Ida. Experiment station, and is an improvement on the variety Imperator. It has a much shorter top, and grows 7 to 8 inches long, slightly tapering. Its longer season to maturity is no handicap to the amateur who begins to thin and eat his carrots when they are pencil size. The color is a deep orange all through; it is brittle, tender and sweet. Pkt., 25c; $\frac{1}{2}$ oz., 50c; oz., 85c; $\frac{1}{4}$ lb., \$1.75.

Bush Sweet Potatoes For Small Gardens

P-24 Murff Bush Sweet Potatoes. Though your garden may be small you can now grow your own sweet potatoes, if you have room for a row of bushy plants each spreading 3 feet in diameter, 18 inches tall. The potatoes are plump, clean, delicious, of top table quality, and excellent keepers. You can buy potatoes to plant, or green plants already started. Culture is simple, and plants mature rapidly in sandy soil with ordinary care, if started after danger of frost is over.

Murff Bush Sweet Potatoes, 10 lbs., \$2.00; 25 lbs., and over, 18 cents per pound. Shipped by Express, charges collect.

Murff Bush Sweet Potato Plants, 50 plants \$1.00; 100, \$1.75; 200 \$3.40; 500, \$6.00; 1,000, \$10.00. These prices all prepaid, shipment by parcel post. One thousand plants and over shipped by express charges collect, \$9.50 per thousand.



C-43 CARROT IMPERIDA. Pkt., 25c.



Giant Tree Tomato Wins South American Tribute

T-19 Tomato Giant Tree. (Italian Potato Leaved.) 90 days. After receiving letters about the Giant Tree tomato from all parts of the United States, we were delighted to learn that its fame had become international.

From Mendoza, Argentina, Prof. Abelardo Piovano writes: "Your tomato Giant Tree, it is a very big tomato fruit. I got a fruit 787 grams, near two pounds, in our experiment station. I am enclosing the smallest tomato fruit in the world to reciprocate, *L. pimpinillifolium*."

This tribute from South America where the tomato originated was very much appreciated, as was the curious "currant" tomato so courteously sent. Experiments with original forms of this nutritious vegetable are being carried by our government stations. Some primitive forms are said to be hardy to freezing weather. Who knows what the breeders may develop?

Meanwhile we continue convinced that the Giant Tree variety is the largest tomato that can be grown in this country, as well as being one of the heaviest yielding, and of top table quality.

If you had trouble getting blossoms to set in the chilly days last summer, take a tip from W. E. McClelland of Seattle, Wash., who reports: "While the fruit will not set here without some hormones to pollinate the flowers, six plants kept us in plenty of tomatoes and supplied several neighbors."

The hormones he refers to are offered on Page 71, under the name: No Seed Hormone Blossom Set. It is simple to apply this preparation, and its use will make your very first blossoms bear fruit.

If you haven't grown Giant Tree, we advise you to try it. There are few rewards more satisfying for the amateur, than to produce tomatoes which are at once the largest, smoothest and of best table quality. The huge, pink fruits have few seeds. They are full of tender, delicious flesh of mild, non-acid flavor. You will eventually grow this variety. Why not be ahead of your neighbors? Pkt., 50c.



C-18 O-S HYBRID CABBAGE. Pkt., 35c.

Hybrid Sweet Spanish Onions Grow Big Quickly

O-37 Hybrid Sweet Spanish Onion Plants. Years of successful effort by state and government plant breeders have developed F1 hybrid onions to the point where we can offer green plants of Hybrid Sweet Spanish onion for home garden use. The huge bulb shown in the illustration was grown in ordinary garden soil

near Chicago, Ill. It weighed more than two pounds and matured two weeks earlier than the standard Sweet Spanish. It will not be long before hybrid onions are another common hybrid vegetable. Plants will be shipped April 15 and after, prepaid for \$1.00 per bunch, sufficient to plant 30 feet of row.



O-37 VAUGHAN'S HYBRID SWEET SPANISH ONION. Plants, \$1.00 Per Bunch.

Bees and Butterflies Breed First F1 Hybrid Cabbage

C-18 O-S Cross Cabbage. 70 days. Honorable Mention All America trials 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Certain inbred lines were found to be fertile only when crossed with another line. This characteristic was then used to produce O-S cross, the first hybrid cabbage ever offered. Hand pollination was not necessary, and the bees and butterflies fertilized the seed bearing plants. The chief merits of this variety are huge sized heads, high quality and extreme vigor. The heads will weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c.

Seedless Watermelon from Japan

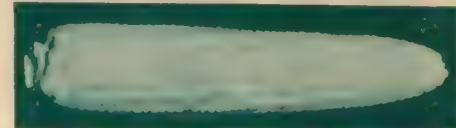
M-55 Watermelon Japanese Seedless. This was developed by Japanese plant breeders using a scientific formula that can be applied to many other varieties. A selected plant is treated with colchicine, which doubles its chromosome count, making it a tetraploid. The treated plant is then crossed with a normal plant of the same variety, and the resulting offspring is seedless. This first example is of ice-box size, with bright red flesh of delicious sweetness. A few undeveloped, soft seeds remain, which are eaten unnoticed with the flesh, like cucumber seeds. With the seeds are sent those of a normal variety to be grown in an adjoining row to furnish pollen. Packet of 20 seeds, 50c.

Hybrid Sweet Corn Team

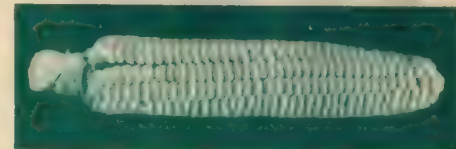
Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling **50¢** per pound.

Each variety listed below, ordered separately: Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

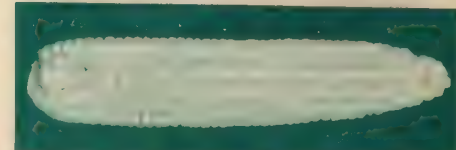
Annual tests are made in our trial grounds of both new and old hybrid varieties. On the basis of these tests the four varieties below were chosen as the best available in 1952 to give the longest harvest season coupled with highest quality and best yield.



C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease.



C-119 Our Choice. 68 days. One of the earliest hybrids, we recommend it because of its super-sweet and tender kernels, borne on a large 12-rowed ear.



C-130 Early Southern Cross. 75 days. A new fine, second early. The cylindrical ears are long and sweet.



C-109 Improved Golden Label. 83 days. A greatly improved variety of exceptional size Grow for last crop, excellent for freezing and canning.



M-55 JAPANESE SEEDLESS WATERMELON. Pkt., 50c.

New Flowers and Specialties

Zinnias Rival Oriental Rug in Color

6043 ZINNIA PERSIAN CARPET. 18 in. All America Honorable Mention 1952. On compact bushy plants, flowers as large as a silver dollar are produced in the greatest abundance. They resemble dahlias, rather than zinnias, with pointed petals tipped with contrasting colors. They are fully double, almost globular and their colors are deep and rich, including yellow, orange, red, crimson, maroon, and pink in harmonious patterns, which fully justify its poetic name, Persian Carpet. They grow quickly from seed and bloom with increasing abundance until killed by frost. Large pkt., 35c.



6043 ZINNIA PERSIAN CARPET. Pkt., 35c.



4061 PETUNIA BALLERINA. Pkt., 50c.

Lovely Petunias with F1 Hybrid Vigor

4061 PETUNIA BALLERINA. F-1 HYBRID. 2 ft. All America Honorable Mention, 1952. As proved by the variety Silver Medal, an F-1 hybrid petunia has a magic vigor, which bushier, compact growth with stronger stems. With so lovely a flower as Ballerina, a large single fringed blossom of soft glowing salmon, all these added qualities produce an outstanding plant. The flowers are 3½ to 4 in. across, plants dwarf and compact, blooms so numerous they almost hide the foliage. Pkt., 50c.



4010 PETUNIA SILVER MEDAL. Pkt., 50c.

4012 PETUNIA ROSE CHARM F-1 HYBRID. 12-16 in. Single flowers of clear deep rose produced in the abundance that characterizes hybrid vigor cover the compact bush produced by this plant, which spreads laterally, often covering a 3-foot circle. Pkt., 35c.

Tetra Snapdragons

These unique flowers were created by science with an amazing treatment which changed the cell structure of the plants. "Tetra-snaps" are probably the most conspicuous success this method has so far attained.

Every merit which snapdragons have as a garden flower is magnified. They have greater vigor, a longer flowering season, darker green glossier foliage, stronger stems, and their flowers have more and larger florets, with ruffled petals and brighter colors.

ILLUSTRATED ON FRONT COVER

427 VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED. Flowers of the exceptional beauty, size and vigor, characteristic of the "Tetra" strain, include colors of which only a few are illustrated. They range from shell pink to the deepest rose, from dark bronze through orange to pale yellow, with many intermediate sunset tints which are found in no other strain. Pkt., 25c.

NAMED VARIETIES

- 434 APPLEBLOSSOM.** Glistening pink with white tube.
- 436 BRILLIANT ROSE.** Large florets of a true rose pink.
- 429 ORCHID.** Rich orchid-purple with yellow blotch.
- 435 PINK SHADES.** An interesting color blend ranging from light pink to deep rose.
- 428 YELLOW.** A rich clear color.

Each of the above, pkt., 25c.

Our Novelties are tested in our own Trial Grounds, which guarantees your satisfaction.



1984 COSMOS FIESTA. Pkt., 25c.

4010 PETUNIA SILVER MEDAL. 15 in. We have hybrid corn and cucumbers, which scientists say are better than ordinary kinds because of a mystic quality called "hybrid vigor." So here is a hybrid Petunia, bred from two parent strains, crossed by hand pollination, perhaps the forerunner of many such plants to bring new beauty to our gardens. "Silver Medal Petunia" won the top award of the All America Trials for 1949, by qualities described as follows: 3-inch flowers of bright salmon pink with rose sheen, borne in amazing abundance on dense plants 15 to 18 inches wide, so vigorous they resist "breaking apart" in the row even in bad weather. Flowers from seed in 90 days, and continues until frost. Pkt., 50c.

New Red and Yellow Cosmos

1984 COSMOS FIESTA. 2½ ft. All America Silver Medal 1952. Flowers of bright gold striped with scarlet are borne on dwarf bushy plants. Blooms are similar in form to Yellow Flare, semi-double with ruffled petals, and are freely borne all summer, following an early start. A good border subject and attractive cut flower. Pkt., 25c.



689 ASTERS Super Giant Wilt Resistant Mixed. Pkt., 25c.



887 ASTER Giant California Sunshine Mixed. Pkt., 25c.

Largest of all Asters Now Wilt Resistant

ASTER SUPER GIANT WILT RESISTANT. The largest flowered Aster of all has now been bred to be wilt resistant, which it formerly was not. It is spectacular in the garden and valuable as a cut-flower because of its long, wiry, non-branching stem and huge ostrich feather flowers. Blooms late summer to frost. 3 ft.

- 680 BEVERLY HILLS. Azure blue
- 681 EL MONTE. Crimson.
- 682 HOLLYWOOD. Pure paper white
- 683 PASADENA. Peachblossom.
- 684 SANTA BARBARA. Dark Purple

Each of the above, pkt., 35c

- 689 MIXED. A full range of color including the above and others yet to be released. Pkt., 25c

You may recall that I ordered a whole ounce of Giant California Sunshine Asters Mixed. I grew these for altar flowers in our church, and everyone says they were lovelier than anything we ever bought for that use. I consider this the finest outflower I have ever grown. I. M. H., Tulsa, Okla

New Princess Asters Wilt Resistant

Culture: A, B, D or E, Page 50

Vaughan's Princess Asters are of a new type, characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers whose beauty is evident from the illustration. Plants are branching, giving a bushy effect in the border. They are early and free bloomers and make splendid cut flowers. 2-2½ ft.

- 625 PRINCESS ANNE. Delicate pink turning to rose pink
- 624 PRINCESS BARBARA. Orchid.
- 626 PRINCESS BONNIE. Salmon rose.
- 618 PRINCESS ELIZABETH. Pure white
- 623 PRINCESS GOLDEN SHEAF. The deepest yellow Aster yet offered
- 621 PRINCESS LINDA. Clear Rose
- 619 PRINCESS MARGARET. A true rose
- 627 PRINCESS MARSHA. Cinnibar scarlet
- 620 PRINCESS SUSAN. Clear deep blue

632 VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS, containing all the above, including the new introductions

Each of the above, Pkt., 25c.

BRIGHTEST RED

- 617 PRINCESS PAT. Bright crimson flower fully quilled, on long strong stems. Pkt., 25c

Aquilegia (Columbine)

- 7152 VAUGHAN'S SUPERLONG-SPURRED MIXTURE. 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Pkt., 50c.

Sunshine Asters

887 ASTER GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in. across, are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September ¼ oz., 50c; pkt., 25c.



- 7522 DELPHINIUM Chinese Cambridae Blue. Pkt., 25c.
- 7523 Chinese Blue Mirror. Pkt., 35c.

Chinese Larkspur

Chinese Delphinium blooms from seed the first year if sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall.

- 7520 CHINESE BLUE. 2-3 ft. Pure blue. Pkt., 10c.
- 7523 CHINESE BLUE MIRROR. One of the few true navy blue flowers. Pkt., 35c.
- 7525 —ALBUM. 2-3 ft. Pure white. Pkt., 10c.
- 7522 —CAMBRIDGE BLUE. 2 to 3 ft. A good light blue. Pkt., 25c.
- 7530 —MIXED. Pkt., 10c.



632 VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS. Pkt., 25c.

Pacific Hybrid Delphiniums

Culture: B, D or E, Page 50

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65% mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giant hybrids we offer others which in our opinion are the best available in the world.



7535 DELPHINIUM Astolat. Pkt., \$1.00.

This strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter. Seeds germinate in 20 days.

7559B BLUE BIRD. A clear medium blue with white bee, with high tall spikes.

7563 BLACK KNIGHT. Large flowers of varving dark violet shade.

7559A BLUE JAY. From medium to dark blue with dark bee.

7563A CAMELIARD SERIES. This is a pure lavender self with white bee.

7560 GALAHAD. Clear white, highly mildew resistant.

7561 KING ARTHUR. Royal violet, large white bee.

7565 PERCIVAL. The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.

7561A GUINEVERE. Light pink lavender with white bee.

7562 SUMMER SKIES. Light blue with white bee.

7559 ROUND TABLE SERIES. As the name implies this represents all of the color combinations of the above Knights and their Ladies.

Each of above, pkt., 50c; 2 pkts. for 90c.

7558A MIXED. A mixture containing dark blue shades, light blue shades, lavender pastels and white in a well-balanced blend. Pkt., 35c.

PACIFIC GIANTS

Illustrated on the right. 

- 1 BLUE JAY
- 2 GUINEVERE
- 3 GALAHAD
- 4 SUMMER SKIES
- 5 KING ARTHUR

7566 MIXTURE OF THE FIVE VARIETIES above Pkt., 50c.

Other Hybrids

7550 BELLADONNA IMPROVED CLIVEDEN BEAUTY. 2 ft. June-July. Exquisite turquoise blue. Pkt., 20c.

7552 BELLAMOSUM IMPROVED. Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Pkt., 25c.

7564 BLACKMORE AND LANGDONSTRAIN. A famous English strain. All the clear shades of blue, with bees of contrasting color. Pkt., 35c.

7547 CARDINALE. "Scarlet Larkspur," a native California species with long spikes of scarlet flowers—seed germinates slowly. 2 ft. Pkt., 25c.

7538 DELPHINIUM SAPPHIRE. A rich blue, distinct from Bellamosum Improved, being slightly lighter in color with a tin center of golden pollen and definitely larger flowered with a brilliant sheen to the petals. Foliage glossy dark green. Pkt., 30c.

New Pink Delphinium

7535 DELPHINIUM ASTOLAT. For several years Frank Reinelt, originator of Pacific Hybrid Delphiniums, has been working to create pink delphiniums, equaling in size and beauty of flowers his famous white and blue varieties. Success has rewarded his efforts in this new strain, with flowers in varying tints of blush pink, true pink and mulberry pink, all with dark bees. They grow tall, with strong, whippy stems, with florets as large and spikes which compare favorably with those of the other Pacific Giants. All the various pink tones are lovely to see. The outstanding perennial novel of the year. Pkt. \$1.00.

7569 WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double. Pkt., 50c.

7571 DELPHINIUM Vaughan's Special Mixture. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c.





White "Spider-Plant"

Culture: D or E, Page 50

1804 CLEOME HELEN CAMPBELL. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flowerheads. 4 ft. Pkt., 25c.



1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.



Sky Blue Star Flower

4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM). Star-shaped flowers measuring 1 in. across, are borne in long loose sprays. The stems arch so that the lovely blue blossoms, veined or penciled with silver, face upward. A valuable addition to the all too short list of blue annuals. Sown in early April, it flowers in June and continues blooming until cut down by frost. Pkt., 25c.

Rich Color Patterns in Pinks

2247 DIANTHUS BRILLIANT. 18 in. This large flowered strain of free flowering pinks is a companion to the famous Gaicty, but with plain-edged instead of fringed flowers. It has even richer color patterns in crimson, cerise, pink, white and red, and each flower has a contrasting "pheasant's eye." It grows with the same vigor as Gaicty, in low bushes, with blooms at the end of every stem, and flowers all summer if faded flowers are removed. A brilliant garden subject, and lovely cut flower. Pkt., 25c.

Dianthus Barbatus

SWEET WILLIAM

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

Lilies from Seed

Many Lilies are easily grown from seed. A leaflet describing the simple methods will be sent free with each order. Seeds germinate in 20-30 days.

8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Lilium species and Hybrid strains. Pkt., 25c.



2247 DIANTHUS BRILLIANT. Pkt., 25c.

New "Baby Snaps"

3035 LINARIA NORTHERN LIGHTS. Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect; easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c.



3035 LINARIA NORTHERN LIGHTS. Pkt., 25c.



Triple Angel's Trumpet

2112 ANGEL'S TRUMPET IVORY KING (Datura). "Crown-in-crown" flowers of that enchanting rich golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous-growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c.

Dwarf and Giant Marigolds

Culture: A, B, D or E, Page 50

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and orange. Their great variety lends interest to bowl-arrangements and there is no better subject for the cutting garden than mixture of small flowered marigolds.



3189 MARIGOLD SUNNY. Pkt., 25c.



3196 MARIGOLD Cupid. Pkt., 25c.

Newest Dwarfs

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others. Pkt., 25c

3196 CUPID. 6 in. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Foliage without marigold odor. Marvelous for edging or border. The flowers are 2 to 2½ in. across. Pkt., 25c.

3164A DWARF FRENCH DOUBLE BUTTERBALL. 10 in. The name fits this pretty edging variety of canary yellow. It grows in a mound covered with 1½ inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c

3189 SUNNY. 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c

New Yellow Giant

3139 HAPPINESS. The large chrysanthemum-like flowers, 3¼ in. across, are a cheerful golden-yellow. Plants are of uniform habit, growing 16 in. tall; early to flower and a profuse bloomer. An excellent companion to Golden Bedder. Pkt., 25c

All America Winner

3137 GLITTERS. All America Bronze Medal 1951. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, 2½ ft. tall, with long cutting stems. Foliage dark green, rich background for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Earlier and dwarfier than Mammoth Mum; larger flowered and lighter colored but with habit of Golden Bedder. Pkt., 25c

Many-Colored Strain

3135 MARIGOLD COLOR MAGIC. Brilliant colors of non-fading red to pure gold with many varied striped and mottled combinations in red and gold. Full double flowers, 2¼ inches in diameter, the largest of the French sorts. Uniform in growth, approximately 6 inches in height when fully developed, plants are dwarf and compact. Because of its non-fading color, it provides a constant display from early summer to killing frost. Pkt., 25c.



3139 MARIGOLD HAPPINESS. Pkt., 25c.



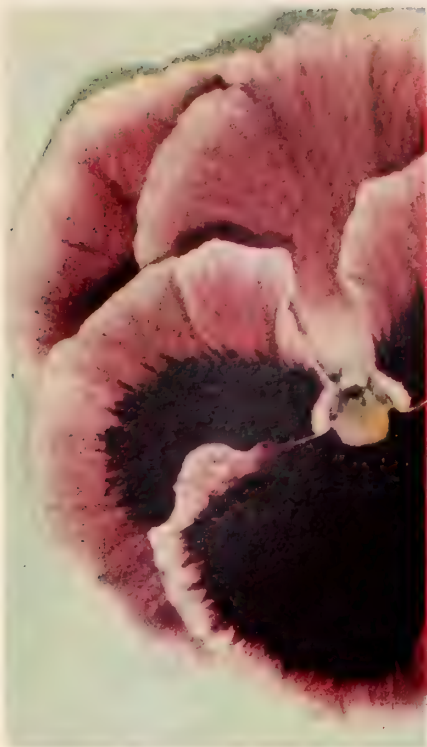
3137 MARIGOLD GLITTERS. Pkt., 25c.



3157 VAUGHAN'S SPECIAL MIXTURE OF SMALL FLOWERED MARIGOLDS, including all varieties illustrated, Pkt., 25c.



3135 MARIGOLD COLOR MAGIC. Pkt., 25c.



3901 PANSY SWISS GIANT Raspberry Rose. Pkt., 50c.

Lovely New Swiss Giant

3901 PANSY SWISS RASPBERRY ROSE. An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvety blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., 50c.

Novel Pansy Coloring

3830 PANSY TIGRESS. Although the flowers are rather small, red, yellow, orchid and purple coloring in novel striped and blotched arrangements, they create an effect that is both striking and unusual. The Pansy "face" is lacking in this variety. Pkt., 35c.

4207 PHLOX GLOBE MIXED. Honorable Mention 1952 All America Selections. Pkt., 25c



4174 DWARF PHLOX Beauty Mixed. Pkt., 25c.

Reddest of all Salvias

4669 SALVIA ST. JOHN'S FIRE. Our own re-selected strain coming into flower early, while the plants are but a few inches tall, and remaining in bloom until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on the uniformly compact plants. Pkt., 35c

Scotch Violas

8582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gem type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c.

I planted your Scotch Violas last year and they are the finest I have ever had. Flowers are large and the colors so bright and cheerful. E. R., Foley, Ala



8582 VIOLA SUPER LARGE FLOWERING SCOTCH. Pkt., 25c.

Largest Flowering Dwarf Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors

- 4166 BLUE BEAUTY
- 4167 CRIMSON BEAUTY
- 4168 MAUVE BEAUTY
- 4169 PINK BEAUTY
- 4170 SALMON BEAUTY
- 4171 SCARLET BEAUTY
- 4172 VIOLET BEAUTY
- 4173 WHITE BEAUTY

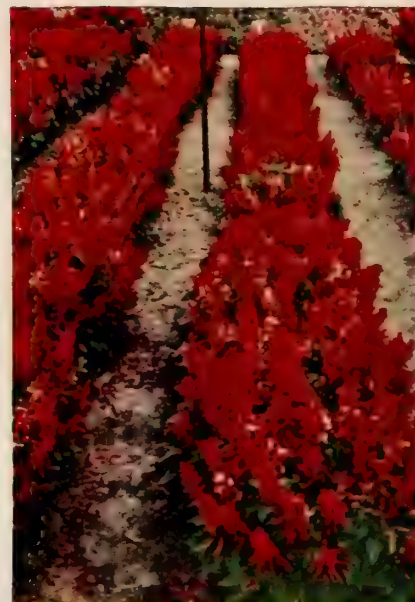
Each of the above, pkt., 25c

4174 BEAUTY MIXED. A formula blend, including all colors shown in our illustration. Pkt., 25c.

4207 GLOBE MIXED. Honorable Mention 1952 All America Selections. Pkt., 25c.

PERENNIAL PHLOX

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c



4669 SALVIA St. John's Fire. Pkt., 35c.

Hybrid Sweet Tobacco

3403 NICOTIANA DAYLIGHT. 1½-2 ft. In this new hybrid the white blooms remain fully open during even the most brilliant sunshine. The plants are of bushy habit, throwing an abundance of pure white flowers with the same delightful scent in the evening as Nicotiana Affinis. It makes an ideal subject for bedding purposes. Pkt., 35c.

Jewel Coloring in Scabiosa

4717 SCABIOSA CORAL MOON. 4 ft. In form here is another Blue Moon, a ball of broad frilled petals, but in varying shades of medium to deep salmon, clear and luminous. A lovely companion for its sister flower of sky-blue, with the same long, wiry stems. It blooms early and bears abundantly until killed by frost. Pkt., 25c



4717 SCABIOSA CORAL MOON. Pkt., 25c.



3949 PETUNIA All Double Colossal Shades of Rose. Pkt., \$1.00.

All Double Petunias

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear $4\frac{1}{2}$ -inch flowers in abundance, varying in color from light pink to deep, purplish rose, some being fringed and some plain-edged. Lovely in bowl arrangements. Pkt., \$1.00.

3933 MRS. DWIGHT EISENHOWER. 16 in. Silver Medal 1947. Soft salmon pink flowers, fully double, average $2\frac{3}{4}$ inches in diameter. Plants are low, compact, and of good habit. Splendid cut flower. Pkt., \$2.00.

PAN AMERICAN STRAIN

3936 ALLEGRO IMPROVED. 18 in. Large fully double flowers of deep salmon pink have fringed petals, and enchanting form. Plants vigorous, compact. Pkt., \$1.00.

3939 SONATA. 18 in. Best All-double white. Large pure white double flowers with fringed petals, are borne on vigorous branching plants. Invaluable in all arrangements. Pkt., \$1.00.

3934 RHAPSODY. Deep burgundy wine-purple flowers of good size, fully fringed and double on dwarf free branching plants. 100% large flowered. A new color in Petunias. Pkt., \$1.00.

3940 ALL DOUBLE GLORIOUS MIXED. A formula blend including all the colors offered of this fine Petunia group, including the new variety Rhapsody. Pkt., \$1.00.



4067 PETUNIA White Cloud. Pkt., 35c.

Fringed Ruffled Little Giants



4097 PETUNIA Little Giant Pink Shades. Pkt., 50c.

4097 PETUNIA LITTLE GIANTS PINK SHADES.

An exclusive selection of the light to dark pink shades out of the popular fringed and ruffled Little Giants Strain, retaining the same compact growth habit, size and freedom of bloom of the parent strain. A brilliant rich selection. Pkt., 50c.



4084 PETUNIA Giant Ruffled Irene. Pkt., 35c.

Two Lovely Singles

4084 GIANT RUFFLED IRENE. Glowing cherry scarlet, with yellow center, richly veined. Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.

4067 WHITE CLOUD. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to $3\frac{1}{2}$ inches in diameter. Pkt., 35c.

Annuals for Cut Flowers

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. 1 oz., 50c; $\frac{1}{2}$ oz., 30c; pkt., 15c.



1400 ANNUALS for Cut Flowers. Pkt., 15c.



6180 ZINNIA PEPPERMINT STICK MIXED. Pkt., 25c.



6035 ZINNIA CACTUS FLOWERED HYBRIDS. Pkt., 25c.

New-Type Zinnias CANDY STRIPED

6180 ZINNIA PEPPERMINT STICK MIXED. An interesting new development in the popular striata or striped type, reselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.

All-Type Zinnia Collection

9 Packets (\$1.40 value) \$1.00

6185 ALL-TYPE ZINNIA COLLECTION. So varied are the forms and colors of the zinnia, an entire garden can be planted with this native American flower. Illustrated below are nine distinct forms, varying from dwarfs to giants, bearing small flowers and large, capable of filling every garden role. One packet each of the following 9 varieties are included in this collection: Dahlia Flowered Gold Medal Mixture; Fantasy Mixed; Cupid Mixture; Pumila Vaughan's Special Mixtures; Lilliput Vaughan's Special Mixture; Scabiosa Flowered Mixed; Vaughan's Midget (Mexicana) Mixture; California Giants Vaughan's Special Mixture; Super Giant Vaughan's Special Mixture. All nine packets, (value \$1.40) for \$1.00.



6185 ALL TYPE ZINNIA COLLECTION.

1 pkt. each of 9 varieties illustrated (\$1.40 value), prepaid \$1.00.

Cactus Flowered Hybrids

6035 ZINNIA CACTUS FLOWERED HYBRIDS. (NEW GIANT BURPEE HYBRIDS.) 3 ft. As a semi-cactus dahlia differs from the formal decorative type, with its uniform petals, regularly arranged, so does the cactus flowered hybrid zinnia differ from the older forms of this flower. No zinnia has larger flowers than these, up to 6 inches in diameter; and all the softer zinnia colors are included in the mixture, besides some lovely pastels found nowhere else. In form as well as color, there is much variation. The petals of some flowers are fluted, others are flat and twisted, but all are beautiful, often spectacular. You will want a group in your garden, and flowers of this new type for bouquets. They bloom quickly from seed sown in the open, and continue to flower with increasing size and color brilliance until killed by frost. Pkt., 25c.

Detailed cultural instructions on Page 50, if followed, will insure your success in growing flowers from seed. Note cultural references given for each subject, also time required for seed to germinate

New Cactus Hybrids

5857 ZINNIA FLORADALE SCARLET. Although among the largest of modern Zinnias, this intense scarlet-red flower is unusually graceful in form, with twisted and quilled petals that give it an informal air without any trace of stiffness. Strong vigorous stems up to 30 in. tall, with flowers often measuring 5 in. across. Pkt., 25c.

6038 ZINNIA RIVERSIDE BEAUTY. 2 ft. Flowers of warm azalea-pink which often measure 5 inches in diameter have curled and twisted petals informally arranged. It is entirely free from stiffness and charming in effect, whether as a cut flower, or growing in the border. Pkt., 25c.



5857 ZINNIA Floradale Scarlet. Pkt., 25c.

Surprise!

GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz., 25c.

5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts. Oz., 25c; ¼ lb., 90c.

STANDARD LIST OF ANNUAL FLOWERS TO BLOOM FROM SEED THIS SUMMER



5848 SURPRISE GARDEN MIXTURE. Oz., 25c.



195 **AGERATUM** Midge: Blue. Pkt., 25c.

Ageratum

Culture: A, B, D or E, Page 50

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5-10 days

195 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants. Pkt., 25c

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants, which have dark green foliage. Pkt., 25c.

200 BLUE CAP IMPROVED. 4 in. Flowers are of lighter blue, and plants equally uniform and compact. 1-16 oz., 50c; pkt., 15c.

217 LITTLE BLUE STAR. 4 in. Small bright blue flowers cover the compact growth of this exceptionally dwarf and uniform variety. Time tried and still a favorite. Pkt., 15c.

187 PURPLE PERFECTION. 8 in. Large vivid dark purple, flowers on compact plant. Darkest of all in color. Excellent for ribbon planting Pkt., 15c

180 TALL BLUE. 18 in. For cut flowers, or use in the border as a foil for other colors, this is excellent. Its soft lavender harmonizes with any color, and adds to its effect. Pkt., 15c.

OTHER COLORS

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.

Anchusa Blue Bird

Culture: A, B, D or E, Page 50

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 15c. For others, see perennial pages.



166 **ACROCLINIUM** Mixture. Pkt., 15c.

Acroclinium

(Everlasting)

Culture: A, B, D or E, Page 50

The flowers resemble the English daisy, with lovely pastel colors which remain unfading when it is dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 SENSATION DOUBLE GIANT MIXTURE. 20 in. Double or semi-double flowers of white, chamois, flesh pink and bright rose. Pkt., 15c.



311 **ANCHUSA** Blue Bird. Pkt., 15c.



1057 **BUSH BALSAM** Rose. Pkt., 25c.

Bush Balsam

Culture: A, B, D or E, Page 50

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red. 1½ to 2 ft. Seeds germinate in 15 days

1057 ROSE. **1055 WHITE REFLECTED ROSE.**

1053 SCARLET. **1054 WHITE.**

Each of above, pkt., 25c; 3 pkts., 65c.

1051 MIXED. ¼ oz., 50c; pkt., 25c.

Balsam (Lady Slipper)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water

1040 DOUBLE ROSE AND CAMELLIA-FLOWERED MIXED. 1½ to 2 ft. ¼ oz., 25c; pkt., 10c

Bird of Paradise

Culture: D, Page 50

1149 POINCIANA GILLIESI. 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden. Very susceptible to cold. Pkt., (10 seeds) 15c

Blue Browallia

Culture: A, or B, Page 50

Profusely blooming dwarf plant, covered during summer and autumn with winged flowers of intense blue. Grows freely in any rich soil. Germinates in 20 days.

1161 SAPPHERE. 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c

Newest Garden Snapdragons

Culture: A, B, D or E. Page 50

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days.

Rust-Resistant

425 VAUGHAN'S SPECIAL MIXTURE OF SNAP-DRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, providing a never ending color feast of long stemmed flowers. $\frac{1}{4}$ oz., \$1.10; $\frac{1}{8}$ oz., 60c. Pkt., 20c.

SUPER-MAJESTIC TYPE—Semi-tall Giant Flowered. 16 to 20 in. Best for Home Gardens.

- 324 HARMONY. Terra cotta and yellow shaded rose.
327 ORANGE SHADES. Deep to light orange.
331 SILVER PINK. Deep pink, white blotch on lower lip.
328 RED ROCKET. Bright red.
326A ROSE SENSATION. Rose pink.
329 ROYAL CRIMSON. Garnet crimson, dark foliage.
Each of Super-Majestic type, pkt., 20c; any 3 pkts., for 50c.

332 All Above Super-Majestic Snapdragons
Mixed. Pkt., 20c; 3 pkts., 50c.

MAXIMUM GIANT FLOWERED. Spikes 32 in. tall, and blooms 2 to 2½ in. across.

Outstanding as cut flowers, the kind florists grow.

- 341 ALASKA. White.
342 APPLEBLOSSOM. Rose pink, white tube.
343 CAMPFIRE. Pure luminous scarlet.
344 CANARY. Yellow.
343A COPPER KING. Burnished copper.
341C CRIMSON. Fiery crimson.
342A GOLDEN GLORY. The deepest yellow.
343B INDIAN SUMMER. Coppery orange-scarlet.
346 LOVELINESS. Pure soft rose-pink.
346A PINK SENSATION. Pure pink.
347 RED CROSS. Deep rich crimson, white tube
341A SWING TIME. Loveliest rose-pink, a bright yellow lip and white tube.

Each of the above Maximum Type, pkt., 20c;
any 3 pkts., 50c.

348 All Above Maximum Snapdragons
Mixed. Pkt., 25c; 3 pkts., 65c.

MAJUS GRANDIFLORUM Large Flowering, 2½ ft.

- 317 CHERRY ROSE. Outstanding new color, the most brilliant deep cherry rose imaginable. The plants are base-branching with straight stems of long spikes, all with large, well placed flowers. Pkt., 25c.
349 PADRE. A glistening crimson, rich and beautiful; an excellent grower with uniformly compact contrasting foliage. One of the best.
336 ROSALIE. A rich deep rose with underlying tone of topaz or amber.
338 SHASTA. Pure white.

Each of above, except noted otherwise, pkt., 20c;
any 3 pkts., 50c.

355 MAJUS GRANDIFLORUM MIXED. Pkt., 20c

- 437 NARAMEK STRAIN MIXED. A vivid mixture of gypsy colors, including two-tone combination of yellow-bronze, pink-rose, yellow-ruby and orchid rose. Many oddly marked and streaked. Strong pikes with individual florets 1½ in. across. Different from any other Snapdragon. Pkt., 25c



317 ANTIRRHINUM Cherry Rose. Pkt., 25c.

ANTIRRHINUM COLOSSAL. This new strain of tremendous vigor produces in the outdoor garden strong spikes 3 feet tall, filled with large florets. It is very popular in eastern states.

- 439 Crimson 441 Pink shades
440 Orange shades 442 White

443 Yellow

Each of the above, Pkt., 25c.
444 MIXTURE. Including all above. Pkt., 25c

- 431 VELVET GIANT. 2½ ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c



1131 BELLIS. Monstrosa Double Mixed. 15c.

English Daisy

BELLIS PERENNIS (6 to 8 inches)

Culture: C, Page 50

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders. Seed germinates in 5-10 days.

1131 MONSTROSA MIXED. Pkt., 15c.



TYPICAL FLORETS OF VAUGHAN'S GIANT RUST-RESISTANT SNAPDRAGONS

- 341A SWING TIME. 343 CAMPFIRE.
344 CANARY. 346 LOVELINESS.
343B INDIAN SUMMER. 347 RED CROSS.
336 ROSALIE. 342A GOLDEN GLORY.
338 SHASTA. 349 PADRE.

Each of above, pkts., 20c; any 3 for 50c.

Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings

- 432 MAGIC CARPET. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Excellent for low floral arrangements. Pkt., 25c.

LARGE FLOWERING DWARF, 1½ Ft. RUST RESISTANT

- 322 MIXED. Many colors. Pkt., 20c.

Wilt Resistant Asters

Culture: A, B, D or E, Page 50

Protect Asters with Insecticides Containing D.D.T.

D.D.T. will kill leaf hoppers, which transmit the yellows disease, for which there has hitherto been no reliable treatment. Regular spraying or dusting with this lasting insecticide should protect your asters from infection, which is the chief enemy of these beautiful flowers in sections where the wilt disease is not established in the soil. We recommend Protexall, D. D. T. 5% dust, and D. D. T. 50% wettable dust (see index). Wilt resistant varieties are resistant only to wilt, but in general are more vigorous, and less susceptible to other infections. Aster seeds germinate in 8-10 days.

GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

- | | |
|-----------------|-----------------|
| 905 AZURE BLUE, | 904 CRIMSON. |
| dark lavender. | 901 WHITE. |
| 903 DEEP ROSE. | 902 SHELL PINK. |
| 906 PURPLE. | 908 SENSATION |
| | (SCARLET.) |

Each of above, pkt., 15c; any 3 pkts., 40c.

998 MIXED. $\frac{3}{8}$ oz., 35c; pkt., 15c.

GIANT CREGO—OSTRICH FEATHER 24 INCHES

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

- | | |
|----------------------|----------------|
| 559 AZURE BLUE. | 563 DEEP ROSE. |
| 560 BLUE FLAME, | 564 LAVENDER. |
| navy blue. | 565 PINK. |
| 560A CATTLEA, | 566 PURPLE. |
| fascinating shade of | 568 VIOLET. |
| orchid. | 569 WHITE. |

561 CRIMSON.
Each of above, Pkt., 15c; any 3 pkts., 40c.

575 MIXED. $\frac{3}{8}$ oz., 35c; pkt., 15c.

QUEEN OF THE MARKET (EARLY FLOWERING) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

928 MIXED. $\frac{3}{8}$ oz., 35c; pkt., 15c.

850 BALLET TYPE MIXED. The new Queen Type with full centers, large flowers and long stems. Very early to flower, it is highly wilt resistant. A well-balanced color range which includes purple, rose light blue and white. Pkt., 25c.

FINEST GIANT SORTS MIXED

628 A MIXTURE OF ALL GIANT VARIETIES. It became very popular with our customers in our store before we catalogued it. Since we have included it in our list, it has become one of our best sellers. Pkt., 25c.

EARLY BEAUTY 2 TO 3 FT.

Branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

534 MIXED. $\frac{3}{8}$ oz., 35c; pkt., 15c.

EARLY GIANT 1½ TO 2 FT.

The flowers are fully double with broad, graceful petals, daintily plumbed and inter-twined, 4 to 5 inches across. There are practically no laterals or side branches. Four to six weeks earlier than California Giant.

541 LIGHT BLUE. A big lacy flower.

542 PEACHBLOSSOM. White flushed pink.

543 ROSE MARIE. Rich, lively shade of rose.

Each of above, Pkt., 25c; any 3 pkts. for 65c.

544 MIXED. All three colors. $\frac{3}{8}$ oz., 50c; pkt., 25c.



903 ASTER
Giant Branching

Deep Rose
Pkt. 15c.

VAUGHAN'S SPECIAL WILT RESISTANT

915 MIXED. A specially prepared mixture containing in balanced proportion all the wilt resistant varieties we offer. An outstanding value for the cutting garden, or mixed bed or border. $\frac{3}{8}$ oz., 40c; pkt., 15c.



929 WILT RESISTANT ASTER Heart of France.
Pkt., 15c.



949 SINGLE ASTER Rainbow Mixture. Pkt., 25c.

ROYAL EARLY-FLOWERING BRANCHING 2 FT.

This type fills a gap between the Queen of the Market and the Late Flowering Branching Asters.

930C MIXED. $\frac{3}{8}$ oz., 35c; pkt., 15c.

Single Asters

Both in the garden and in the border these lovely daisy-blossoms of vivid coloring are highly esteemed by advanced gardeners and florists.

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all the colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25c.

HEART OF FRANCE

An old favorite which in the opinion of many has never been surpassed.

929 18-24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. $\frac{3}{8}$ oz., 45c; pkt., 15c.

Giant Non-Resistant SUPER-GIANTS, LARGEST OF ALL

Largest and most fully double Aster, with flowers from 6 to 8 inches across, plants 2½ ft. tall, with six to eight long stems. Early flowering.

943 EL MONTE. Like Los Angeles in size, and form, but of a deep glowing crimson. Blooms early and remains in flower for a long season, $\frac{1}{8}$ oz., 50c; pkt., 20c.

942 LOS ANGELES. Pure shell pink, with huge flowers, but of charming form, with curling, interlaced petals, giving a feathery effect. $\frac{1}{8}$ oz., 50c; pkt., 25c.

CALIFORNIA GIANTS 3 FT.

California Giants combine the fluffy or feathered type of flower with the long straight stems of the Beauty class. The large, double flowers with long, attractively curled petals, grow 5 in. and more in diameter, on stems 1½ to 2 ft. long.

610 MIXED. $\frac{1}{8}$ oz., 40c; pkt., 15c.

887 CALIFORNIA GIANT SUNSHINE, FINEST MIXED. $\frac{3}{8}$ oz., 50c; pkt., 25c. See Novelty pages.

IMBRICATED POMPON 1 FT.

592 MIXED. Flowers very freely produced, often as many as 20 on a dwarf, bushy plant. Blooms very early. The small round pompon blossoms have an outside row of short guard petals. Pkt., 25c.



Collection of Vaughan's Wilt Resistant Asters Illustrated Above

640 One each of six varieties illustrated above, prepaid, 75c.
Giant Crego—(1) 569 White, (2) 564 Lavender, (3) 565 Pink
Giant Branching—(4) 906 Purple, (5) 905 Azure Blue, (6) 903 Deep Rose
Each per pkt., 15c and any 3 pkts., for 40c.

The Princess Asters are in full bloom and have been for some weeks. The color range is most desirable and the flowers do not fade as do others. R. L. Boston Mass.



259 **ALYSSUM** Violet Queen. Pkt., 15c.



451 **ARCTOTIS**, New Hybrids. Pkt., 25c.

Arctotis (African-Daisy)

Culture: A, B, D or E, Page 50

For Dry Sandy Soils. Seed germinates in 20 days.

451 NEW HYBRIDS. 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.



1138 **BELL OF IRELAND.** Pkt., 25c.

Sweet Alyssum

IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders, the white and violet alyssums are ideal. Fragrant, dwarf, bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

Culture: A, B, D or E, Page 50

Seed germinates in 5-10 days.

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in.

The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.40; ¼ oz., 75c; ⅛ oz., 40c; pkt., 10c.

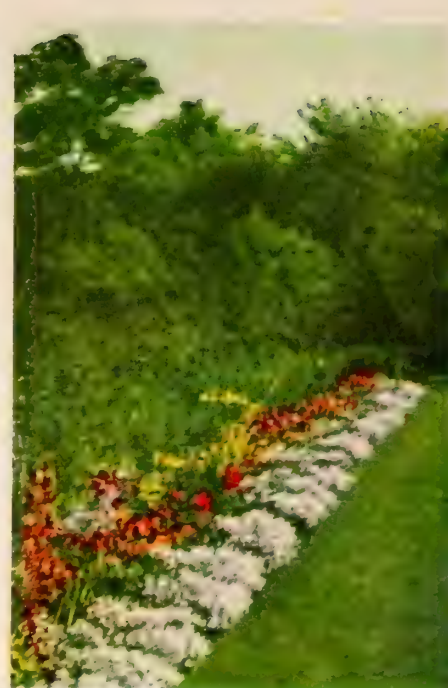
250 MARITIMUM (Sweet Alyssum). 10 in. Flowers

white and honey-scented, produced from early in the season, until freezing. Not recommended for edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. 1 oz., 60c; ½ oz., 35c; pkt., 10c.

259 VIOLET QUEEN. A beautiful, fragrant sweet

Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ½ oz., 35c; ¼ oz., 60c; ⅛ oz., \$1.10; 1 oz., \$2.00; pkt., 15c.

See also Perennial Pages.



255 Ribbon Planting of **VAUGHAN'S ALYSSUM** Little Gem. Pkt., 10c.

Candytuft (Iberis)

Culture: A, B, D or E, Page 50

Successive plantings give flowers all summer. Seed germinates in 5-10 days. May be sown late in Fall in Tulip beds for summer flowering.

1260 GIANT HYACINTH-FLOWERED WHITE. 1 ft.

Large, bold spikes of snowy white flowers. Plant sturdy and compact. ¼ oz., 40c; pkt., 10c.

1287 UMBELLATA MIXED. 1 ft. Flowers in umbrella

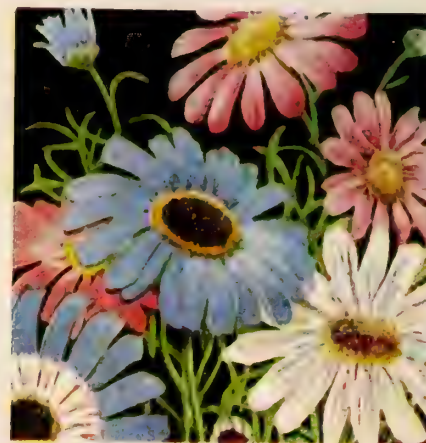
form. ¼ oz., 30c; pkt., 10c.

1290 DWARF HYBRIDS MIXED. 6 in. Compact plants

covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson. ¼ oz., 25c; pkt., 10c.



1287 **CANDYTUFT** Umbellata Mixed, 10c.



1146 **BRACHYCOME** Mixed. Pkt., 10c.

Swan River Daisy

Culture: A, B, D or E, Page 50

Brachycome

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8-12 days.

1146 MIXED. 12 in. All colors. ½ oz., 25c; pkt., 10c.



Irish Green Bellflower

Culture: A, B, D or E, Page 50

1138 BELL OF IRELAND. Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined, containing the white corolla. Both curious and beautiful. Pkt., 25c.

Gay Calliopsis Clan

Culture: A, Page 50

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10-20 days.

1245 VAUGHAN'S SPECIAL MIXTURE. It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt., 10c.



1390 CARNATION Vaughan's Special Mixture (100 Seeds), 25c.

Garden Carnations

Culture: A or B, D or E, Page 50

Who doesn't love the spicy odor of the Carnation? Its beautiful blossoms may be grown from seed if sown inside and transplanted outside by the end of May. Seed germinates in 12 days. Plants lifted in fall and cut back will bloom again indoors.

1390 CARNATION Vaughan's Special Mixture

This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. Pkt. (100 seeds), 25c.

GIANT ENFANT DE NICE CARNATIONS. They are of compact growth with extremely stiff stems bearing flowers $2\frac{1}{4}$ to $2\frac{3}{4}$ inches without disbudding. The colors come about 75% true from seeds and give about 90% double flowers.

1329 MIXED. A well-balanced blend including white, salmon, rose and red. Pkt., (100 seeds), 35c.

1345 EARLY AND PERPETUAL FLOWERING SUPER GIANT MIXED. The largest flowered clove scented strain for garden use. Produces excellent cut flowers under cold frame forcing. Pkt., 25c.

1350 GIANT MARGARET MIXED. Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., 15c.

1351 J. M. BRIDGEFORD. (Malmaison.) $1\frac{1}{4}$ ft. From seed sown indoors (or outdoors) bears in 90 days on long stems, lovely fully double Carnations, 3 to 4 inches across of all Carnation colors, most fragrant of all. Flowers throughout the summer. Pkt., 50c.

See Perennials.

Canary Bird Vine

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.

Grow Cacti from Seed

Culture: C, D or E, Page 50

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

1251 CACTI. All kinds and forms mixed

Pkt. (50 seeds), 25c; 5 pkts. for \$1.00

Cypress Vine

Culture: A, B, D, or E, Page 50

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5-10 days.

2040 MIXED. Scarlet and white. Pkt., 10c.

Giant New Calendulas

Culture: A, B, D or E, Page 50

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made. Keep the flowers cut for continuous blooming. During warm weather some flowers may be singled out but all return to full doubles when they weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die. Seeds germinate in 12 days.

1206 CALENDULA Vaughan's Special Mixture

This is a well balanced mixture of the finest named varieties, including the giant variety Campfire, Pacific hybrids, the popular Chrysanth strain and other fine varieties and types. In color they range from soft cream yellow to bright orange, giving a delightful collection for cut flower use, as well as for border display. They are selected for heat resistance, so give a longer season of bloom than most $\frac{1}{4}$ oz., 50c; pkt., 15c.



1212 CALENDULA Pacific Beauty Mixed. Pkt., 25c.

Pacific Calendulas

In this latest version of the flower which Shakespeare knew as "marygold," the long, rather loosely arranged petals have highlights which produce a two-toned effect, when they reflect the sunshine or glow in artificial light. Flowers are uniformly larger, stems longer, and color more brilliant, and the plants are resistant to midsummer heat. Though not a hardy plant, calendulas are usually the last annual flowers to remain blooming in the fall garden. Many sow seed late in June for autumn flowers.

1209 PACIFIC GOLDEN GIANT. 24 in. True golden orange, petals tipped with a lighter tone. Exceptionally large flowers.

1208 —APRICOT BEAUTY. A new strain uniformly larger with longer and straighter stems and more resistance to summer heat. The attractive two-toned effect is more clearly pronounced than in the older type.

1210 —CREAM BEAUTY. Creamy-white deepening to soft yellow makes this the most delicately colored of all Calendulas. Combines well with all other colors.

1211 —LEMON BEAUTY. Pure lemon yellow. Long petals give the flowers a graceful appearance. Centers are well covered with incurving petals.

Each of the above; Pkt., 25c; any 4 pkts., for 80c.

1212 PACIFIC BEAUTY MIXED. A blend of the above described varieties. Pkt., 25c.



1320 CARDINAL Climber. Pkt., 10c.

Cardinal Climber

Culture: A or B, D or E, Page 50

1320 This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage. It bears fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. Germination takes 5-10 days. The vines are a favorite playground of humming birds. Pkt., 10c; 3 pkts. for 25c.

Cacalia (Tassel Flower)

Culture: A only, Page 50

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (Ricinus) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

1170 MIXED. 2 ft. Scarlet and yellow. Pkt., 10c.



1250 CANARY BIRD VINE. Pkt., 25c.

Vaughan's Seed Company 21

Popular Bachelor Buttons



1522 **CENTAUREA** Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

Culture: A, B, D or E, Page 50 CENTAUREA CYANUS SUPER DOUBLE 3 ft

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

- 1505 **BLACK BOY.** Blackish maroon.
1506 **BLUE BOY.** The true cornflower blue.
1507 **PINKIE.** Lovely true pink.
1508 **RED BOY.** Deep glowing red.
1509 **SNOWMAN.** Pure white.
Each of above, $\frac{1}{4}$ oz., 30c; pkt., 15c; any 2 pkts. for 25c.
1522 **VAUGHAN'S SPECIAL SUPER DOUBLE MIXED.** $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c; pkt., 15c.
1504 **JUBILEE GEM.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in Pkt., 15c.
1503 **POLAR BEAR.** 18 in. Dwarf variety making a compact plant covered with pure white double flowers. foliage forms a tufted mass of bright green. A companion to Jubilee Gem. Pkt., 20c.
1500 **JUBILEE MIXED.** 1 ft. The plants have a similar habit to blue Jubilee Gem, and white Polar Bear, forming low bushes with a blossom terminating every stem and branch. Selfseed in most localities, and do well from fall sown seed. Pkt., 25c.



Cobaea (Cathedral Bells)

Culture: A, B, D or E, Page 50

- 1820 **SCANDENS.** One of the handsomest rapid growing climbers. The bell-shaped flowers turn lilac. Seed should be sown edgewise. They germinate in 15 days. Very vigorous and prolific bloomer. Pkt., 10c.



Coleus

Culture: D or E, Page 50

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days

- 1855 **VAUGHAN'S RAINBOW MIXTURE.** 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c
1864 **GLORY.** 1-2 ft. A mixture of bronze, pink apricot, cream, etc. A remarkably fine strain; unequalled for the beautiful form and coloring of its large leaves. Pkt., 50c
1857 **LARGE LEAVED MIXED.** Pkt., 35c.

- 1804 **CLEOME HELEN CAMPBELL.** See Novelties

Daisy Corner

- 2050 **VAUGHAN'S MIXTURE OF ANNUAL DAISIES.** These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

ANNUALS FOR FRAGRANCE

Alyssum	Heliotrope	Petunia
Candytuft	Lantana	Scabiosa
Carnation	Matthiola	Stocks
Centaurea	Mignonette	Sweet Peas
Imperialis	Nasturtium	Wallflower
Dianthus	Nicotiana	

- 2118 **FRAGRANT ANNUALS MIXED.** A mixture of the above varieties. Pkt., 2

- 4746 **ANNUALS FOR SHADE MIXED.** Pkt., 25c

Giant Sweet Sultans

Culture: A, B, D or E, Page 50

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

- 1570 **CENTAUREA IMPERIALIS, MIXED.** $2\frac{1}{2}$ ft. $\frac{1}{4}$ oz., 25c; pkt., 10c
CINERARIA. See page 48.



1790 **CLARKIA** Vaughan's Special Mixture. Pkt., 10c.

Double Clarkia

Culture: A, B, D or E, Page 50

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days

- 1790 **VAUGHAN'S SPECIAL MIXTURE.** 3 ft. Made up especially from named varieties $\frac{1}{4}$ oz., 25c; pkt., 10c

Celosia

(Cockscomb)

Culture: A, B, D or E, Page 50

THE popular name is derived from the resemblance of the flower heads of the crested type to a cockscomb though in texture they are like plush or chenille. Easily dried for winter use. Seeds germinate in 20 days.

CRESTED TALL SORTS

- 1436 **GILBERT'S MAPLE GOLD.** 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.
1437 **GILBERT'S ROSE BEAUTY.** 2 ft. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Dries perfectly for winter bouquets. Pkt., 25c.
1439 **GILBERT'S HARLEQUIN.** 2 ft. Uniform bush type. pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage. Perfect plant for bedding purposes. Pkt., 25c.
1472 **ROYAL VELVET.** 2 ft. Produces numerous long-stemmed plummy heads of richest crimson, on main stem and basal branches. Foliage bronzy green with reddish margins. Pkt., 25c.
1432 **CRIMSON.** Pkt., 15c.
1435 **TALL MIXED.** Pkt., 10c.
1434 **GILBERT'S MAPLE GOLD AND ROSE BEAUTY MIXED.** 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c.
1430 **CRESTED DWARF SORTS MIXED.** 8-10 in Pkt., 15c.

OSTRICH PLUME SORTS

They generally form pyramidal bushes, and the numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft

- 1450 **MIXED.** Pkt., 10c.
1460 **PRIDE OF CASTLE GOULD.** Compact pyramidal plants produce immense flower heads, resembling plumes in many colors. Pkt., 25c
1468 **CHINESE WOOLFLOWER MIXED.** 2 to 3 ft Pkt., 15c.

Cuphea

Firecracker Plant

Culture: A or B, Page 50

Seeds germinate in 20-30 days. Excellent greenhouse subject

- 1999 **FIREFLY.** 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c

Cosmos from July to Frost

Culture: A, B, D or E, Page 50

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days.

SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

- 1964 **DAZZLER**. Very rich, deep crimson.
- 1968 **PINK**. A delightful rose-pink selection.
- 1967 **PURITY**. A white with satin sheen.
- 1969 **RADIANCE**. Deep rose with rich crimson zone.
- 1966 **SENSATION SPECIAL MIXED**.

Each of the above, pkt., 25c; 3 pkts. for 65c

- 1950 **EARLY FLOWERING MAMMOTH MIXED**. 3 ft. All colors. $\frac{1}{4}$ oz., 20c; pkt., 10c.

DOUBLE EARLY FLOWERING 3 FT.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

- 1990 **PINK**.
- 1991 **WHITE**.
- 1992 **CRIMSON**.

Each of the above, pkt., 25c; 3 pkts. for 65c.

- 1994 **DOUBLE MIXED**. Above 3 colors. $\frac{1}{4}$ oz., 40c; pkt., 25c.

- 1982 **ORANGE RUFFLES, SEMI-DOUBLE**. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.



1966 **COSMOS** Sensation Special Mixed. Pkt., 25c.



1696 **CHRY-
SANTHEMUM**
Vaughan's Rain-
bow Mixed.
Pkt., 25c.

- 1948 **FIESTA**. See Novelties.

- 1979 **ORANGE FLARE**. 3 ft. Well-branched plants, bearing showy golden orange, flowers in about 3 months from seed, blooming with increasing freedom until killing frost. Sow outdoors when soil is warm, or indoors with bottom heat of 70 degrees. Seed germinates in 8 days. Give full sun. Does not need staking. Pkt., 15c.

- 1980 **YELLOW FLARE**. 3 ft. Bright clear yellow. The single flowers are about $2\frac{1}{2}$ in. across, produced in abundance. Delightful when used in flower arrangements. Pkt., 25c.



1621 **KOREAN CHRYSANTHEMUM HYBRIDS**.
Pkt., 50c.



1990 **COSMOS** Double Early Flowering Pink.
Pkt., 25c.

- 4574 **ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE**. A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. $\frac{1}{4}$ oz., 50c; pkt., 25c.

Chrysanthemums

Annual Single Flowering 20 in.

Culture: A, D or E, Page 50

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days.

- 1696 **VAUGHAN'S RAINBOW MIXTURE**. This wonderful new strain of Carinatum Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 25c.

DOUBLE FLOWERING VARIETIES 2 FT.

- 1695 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE CHRYSANTHEMUMS**. Pkt., 10c.

- 1700 **VAUGHAN'S SPECIAL MIXTURE. SINGLE AND DOUBLE SORTS IN FINEST MIXTURE**. Including many varieties not catalogued. Pkt., 10c.

Korean Mums

Culture: A, B, D or E, Page 50

- 1621 **KOREAN HYBRIDS**. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Seeds germinate in 15 days. Pkt., 50c.

Chinese Forget-Me-Not

Culture: A, B, D or E, Page 50

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days.

- 2015 **CYNOGLOSSUM AMABILE, BLUE BIRD**. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. $\frac{1}{4}$ oz., 25c; pkt., 10c.

- 2017 **AMABILE PINK**. Bright Pink. Pkt., 15c.

- 2020 **FIRMAMENT**. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for growing in dry, even poor soil. Pkt., 15c.

Wish you could see the beautiful Korean Hybrid Mums I grew from your seed. Dozens of new varieties every one good enough to name. Not one plant winter-killed.



2015 **CYNOGLOSSUM BLUE BIRD**. Pkt., 10c.



2086 DAHLIA UNWIN'S DWARF HYBRIDS. Pkt., 25c.



African Daisy

Culture: A, B, D or E, Page 50

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days.

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.



Grow Dahlias from Seed

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream and white, yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants. $\frac{1}{4}$ oz., \$1.00; $\frac{1}{8}$ oz., 60c; pkt. **25c**

Culture: D or E, A or B, Page 50

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8-10 days.

2087 UNWIN'S IDEAL BEDDING MIXED. 2 ft. The flower petals are nearly all twisted, double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

SINGLE FLOWERING

2056 COLTNESS HYBRIDS. 18 in. Habit neat and compact, blooms from July until frost. The flowers have either flat or slightly fluted petals, nearly all 3 in. in diameter. Pkt., 25c.

DOUBLE DAHLIAS

2080 DOUBLE BEST MIXED. 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2089 DOUBLE LILLIPUT POMPON MIXED. 3 ft. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c.

My Dahlias are beautiful. Of the Unwin Dwarf Hybrids, I have already gathered over 200 blooms and the plants are still covered with buds.

Mrs. A. G. Jackson, Ohio

California Poppy

Escholtzia

Culture: A, B, D or E, Page 50

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seed germinates in 8 days.

DWARF ERECT VARIETIES 1 FT. (CALIFORNICA).

2415 VAUGHAN'S SPECIAL MIXTURE. This mixture includes all the varieties here catalogued and is the most complete mixture of these charming annuals in existence. $\frac{1}{4}$ oz., 40c; pkt., 15c.

2385 GOLDEN WEST. Bright yellow orange center Pkt., 10c.



2476 GAILLARDIA Giant Double Sunshine Pkt., 25c.

Gaillardia

Culture: A, B, D or E, Page 50

One of the most profuse bloomers of the flower garden Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days.

2475 LORENZIANA DOUBLE MIXED. 18 in. $\frac{1}{8}$ oz., 25c; pkt., 10c.

2476 VAUGHAN'S GIANT DOUBLE SUNSHINE. 18 in. A scintillating new color mixture. Huge fluffy "ball-like" double blooms, in a spritely array of new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivacious bicolor tippings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. $\frac{1}{8}$ oz., 60c; pkt., 25c.

See also Perennial Pages.



Blue Gilia

Culture: A, B, D or B, Page 50

Seed germinates in 20 days.

2532 CAPITATA (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. $\frac{1}{4}$ oz., 25c. Pkt., 10c.

2112 ANGEL'S TRUMPET (DATURA) IVORY KING. See Novelties. Pkt., 35c.



2491 **GERANIUM** Flowerland Strain
(50 Seeds). Pkt., 35c.

Geranium Seed

Culture: A, B or C, Page 50

2491 FLOWERLAND STRAIN. Improved single large-flowered seed saved from name varieties. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt. (50 seeds), 35c.



2681 **GYP SOPHILA** Elegans Grd. Alba 15c.

Gypsophila

Culture: A, Page 50

Graceful plants of light fairy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days.

2681 ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION. 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. Oz., 60c; $\frac{1}{2}$ oz., 40c; $\frac{1}{4}$ oz., 25c; pkt., 15c.

2682 ELEGANS VIVID ROSE. 18 in. Pkt., 10c

—CRIMSON. Pkt., 10c.

2686 —MIXED. $\frac{1}{4}$ oz., 25c; pkt., 10c.

See also Perennial Pages

Godetia

(Satin Flower)

Culture: A, B, D or E, Page 50

Attractive, bushy plants with masses of large, colorful blooms during the summer and fall. Thrive best in a cool, moist soil. Seeds germinate in 15 days.

Upright Growth, Double Flower 2 ft.

2595 DOUBLE VAUGHAN'S SPECIAL MIXTURE. Attractive bushy plants with masses of large colorful spikes. Flower spikes are closely set by double flowers in bright attractive colors. Pkt., 10c.

Brilliant Annual Pinks—Dianthus

Culture: A or B, D or E, Page 50

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days

2259 LACINIATUS GAIETY.

1 ft. The large fringed flowers have a bewildering variety of pink, white, red and maroon coloring, in decorative patterns, and borne freely on dwarf plants. Winter-hardy with protection. Pkt., 25c.

2262 LACINIATUS DOUBLE

GAIETY. A new double form of this popular annual. The fringing and twisting of the petals avoids any feeling of heaviness while the large flowers come in a bewildering variety of colors, red, white, pink and maroon, and are borne on 12 inch stems on compact plants. Pkt., 25c.

2230 HEDDENSIS FINEST

MIXED. 16in. A tetra-ploid combining the large open flowers of *Dianthus Heddewigi* with the rugged growth and long stemmed habit of *Dianthus Chinensis*. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional *Dianthus* colors. Pkt., 25c

2257 CHINESE DOUBLE MIXED. 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 10c; 3 pkts., 25c.

2247 BRILLIANT MIXED. See Novelties.

2245 VAUGHAN'S SPECIAL MIXTURE, SINGLE

PINKS. Includes all the single varieties. The flowers are extraordinarily large and embrace colors ranging from white to pink and deep crimson. $\frac{1}{2}$ oz., 40c; pkt., 10c.

2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS.

Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades $\frac{1}{8}$ oz., 40c; pkt., 10c.

2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS.

This magnificent mixture contains the cream of the annual pinks, both single and double. $\frac{1}{8}$ oz., 50c. Pkt., 20c.



2262 **DIANTHUS DOUBLE GAIETY.** Pkt., 25c.



Helichrysum

(Strawflower)

Culture: A or B, D or E, Page 50

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days.

2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS. 3 ft. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. $\frac{1}{4}$ oz., 25c; pkt., 15c

2815 TOM THUMB MIXED. 1 ft. Dwarf double sorts. Pkt., 15c.

Everlastings

2440 MIXED. A formula blend of varieties which can be dried for bouquet work, including *Statice*, *Gomphrena*, *Xeranthemum*, *Acroclinium*, *Salvia*, *Blue Bedder* and others. Pkt., 15c

Annual Hollyhocks

Culture: A or B, D or E, Page 50

These annual kinds bloom the first year and will live over winter and last for several years. If sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Very striking planted near hemlocks or used for roadside planting. Seeds germinate in 8 days.

2845 EVERBLOOMING DOUBLE MIXED. 5 ft. Double and semi-double. $\frac{1}{8}$ oz., 35c; pkt., 10c.

2842 INDIAN SPRING. 6 ft. Bright rose splashed with carmine semi-double flowers, reminding one of fresh strawberry ice cream. Flowering branches are produced freely. Pkt., 15c.

2841 INDIAN SUMMER MIXED. 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of a wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt., 25c.

The Pinks (*Dianthus Gaiety*) that you sent me have now turned into an array of beautiful flowers and I'm delighted with them. Seed germinated easily and no special care was required. Their colors are beautiful and the flowers larger than others I have ever seen. A.T. Pittsburgh, Pa.



GOURDS, Varieties Illustrated are: 1. Bottle Miniature; 2. Ornamental Pomegranate; 3. Large Dipper; 4. Bird's Nest; 5. Hercules' Club; 6. Turk's Turban; 7. Spoon; 8. Warted Sorts.

Gourds

Culture: A, B, D or E, Page 50
Gourds make attractive decorations at autumn parties and harvest festivals. The small ones may be placed in bowls for table decorations. Bird houses, dippers, bowls, and toys are made of others. The vine is an excellent cover for arbors and trellises. Leaflet on culture sent free if asked for with order. Seeds germinate in 15 days.

2660 VAUGHAN'S SPECIAL MIXTURE. All shapes and sizes of these interesting fruits, so fashionable for ornaments, bird houses, and utensils, are included in this mixture. 1 oz., \$1.00; ½ oz., 60c; pkt., 15c.



1927 CORN Calico Indian or Squaw. Pkt., 10c.

ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 CORN (Calico Indian or Squaw). The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 25c; pkt., 10c

26 INDEX ON FINAL PAGES

LARGE FRUITED GOURDS

- 2610 DIPPER.** Fruit makes an excellent dipper and may be used for birds' nests.
- 2645 TURK'S TURBAN.** Odd brightly colored fruit. Intermediate in size.
- 2651 LARGE FRUITED SORTS MIXED.**

Each of above, pkt., 10c; any 3 pkts. for 25c.

SMALL FRUITED GOURDS

- 2646 WARTED SORTS MIXED.**
- 2650 SMALL FRUITED VARIETIES MIXED.**

Each of the above, pkt., 10c; any 3 pkts. for 25c.



1928 STRAWBERRY CORN. Pkt., 25c.

DECORATIVE AND GOOD TO EAT

1928 STRAWBERRY CORN. While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1½ in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.



2458 FLOWERING KALE. Pkt., 25c.



2820 HELIOTROPE Mammoth Mixed, 15c.

Fragrant Heliotrope

Culture: A or B, D or E, Page 50
Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom. Seeds sown in the spring make fine plants for bedding out. Seeds germinate in 15 days.

2820 MAMMOTH MIXED. 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 15c.



2965 KOCHIA Childsil. Pkt., 10c.

Kochia-Burning Bush

Annual Hedge Plant

Culture: A or B, D or E, Page 50
2965 CHILDSIL. 2½ ft. Pyramidal bushes of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge. Seeds germinate in 15 days. Oz., 50c; ½ oz., 25c; pkt., 10c.

Hunnemannia

Culture: A or B, D or E, Page 50
2861 SUNLITE. 1½ ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. ¼ oz., 50c; pkt., 15c.

IMPATIENS. See Page 49.

Flowering Kale

2458 FLOWERING KALE. 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Seeds germinate in 10 days. Pkt., 25c.

Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days.

LARKSPUR SUPREME

Culture: A, B, D or E, Page 50

This is an entirely new strain of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spire of beauty; the perfect cutting strain. The colors are not just slight variations from old varieties, but are new, distinct, with a brilliance equaled by no others. In California the central spikes grow to a height of 6 feet, with its companions only slightly lower. Florets are fully double, closely placed on the stem.

From Left to Right in Illustration:

- 2128 ROSE SUPREME. Deeper rose than any other.
- 2127 LILAC SUPREME. Clear, pale lilac, free from pink.
- 2129 SALMON SUPREME. True salmon, stronger in tone than others.
- 2130 WHITE SUPREME. Pure white without suggestion of pink.
- 2132 PINK SUPREME. Deep rose pink, lovely under lights.
- 2131 DARK BLUE SUPREME. Deep violet purple.

Each of the above, pkt., 15c; any 4 pkts., 50c.

- 2133 SUPREME MIXED. A blend of all the above with additional colors not yet introduced. $\frac{3}{4}$ oz., 65c; Large Pkt., 25c.



VAUGHAN'S LARKSPUR SUPREME

- 2170 LARKSPUR, Vaughan's Special Annual Mixture. Charming mixture containing all the bright and delicate colors of this flower. It makes wonderful cut flower material and should be planted generously. Seed should be sown in good rich well-manured soil, and in a full sunny position. The plants should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., \$1.00; $\frac{1}{4}$ oz., 30c; pkt. 15c

Lovely Blue Lobelias



- 3040 LOBELIA Bedding Queen. Pkt., 15c.

Culture: D or E, A or B, Page 50

DWARF VARIETIES

For varied and vivid tones of blue, produced in such abundance as to hide the leaves, the dwarf varieties are unrivaled. Best of all blues for edging and ribbon planting. By cutting back in midsummer, all-summer bloom is assured. Seed germinates in 10 days.

- 3040 BEDDING QUEEN. 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 15c.
- 3041 BLUE GOWN. Clear deep blue, without eye, fine compact habit. Pkt., 25c.
- 3053 CAMBRIDGE BEAUTY. Large light blue flowers, green foliage. Pkt., 25c.
- 3045 CRYSTAL PALACE COMPACTA. 4 in. Deepest blue, dark foliage. Pkt., 10c.
- 3070 DWARF MIXED COLORS. Pkt., 10c.

Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

- 3065 SAPPHERE. Large, deep blue flowers, with a pure white eye. Pkt., 15c.

Linarias (Baby Snaps)

Culture: A or B, Page 50

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days.

- 3039 FAIRY BOUQUET. 8 in. A strain greatly improved by more compact growth, and with large flowers of rose, yellow, pink, lavender, carmine, red, violet, white and salmon. $\frac{3}{8}$ oz., 35c; pkt., 15c.
- 3035 NORTHERN LIGHTS. See Novelties. Pkt., 25c.

Your Larkspur Supreme was the outstanding annual in my garden this year. My neighbor thought they were perennial Delphinium until she noticed the beautiful pinks and lavenders. Truly an Annual Supreme.

O. H. Bismarck, N. D.

Marvel of Peru or Four O'Clocks

Culture: A or B, D or E, Page 50

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days.

- 3290 MIXED COLORS. $\frac{3}{4}$ lb., \$1.25; 1 oz., 30c; pkt., 10c.
- 3300 MIRABILIS UNIFLORA. Bright rose flowers of the most unusual "trumpet in trumpet" form. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c.



- 3290 FOUR O'CLOCKS MIXED. Pkt., 10c.

Matricaria

Culture: D or E, A or B, Page 50

- 3206 CAPENSIS IMPROVED. (Feverfew). 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c.



- 3245 MIGNONETTE Machet. Pkt., 10c.

Sow for Fragrance Mignonette (Reseda)

Culture: A or B, Page 50

A well-known, old-fashioned flower highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart. Seeds germinate in 8 days.

- 3245 MACHET SELECT. 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall. $\frac{1}{4}$ oz., 35c; pkt., 10c.
- 3260 MIXED. Also many shades and types. $\frac{3}{8}$ oz. 25c; pkt., 10c.

EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 50

- 3212 MATTHIOLA BICORNIS. 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 10c.

Gay Sun-Loving Marigolds



3142 **MARIGOLD** Gigantea Sunset Giants. Pkt., 15c.

Culture: A or B, D or E, Page 50

MARIGOLDS come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8-10 days.

LARGEST, DAHLIA FLOWERED

3142 SUNSET GIANTS. 3½ to 4 ft. Flowers 7½ inches in diameter are sometimes produced by plants of this giant strain, largest of all Marigolds. The average size is less, but still exceptionally large. Color varies, yellow and orange. Plants vigorous, heavy stems, 60% double. Pkt., 15c.

3141A ORANGE SUNSET. Giant deep orange. Pkt., 15c.

3177 DWARF GIGANTEA POT O'GOLD. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c.

CARNATION FLOWERED

3129 CALIFORNIA GOLD. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3130 FRILLS. 2 ft. A new color in the frilly carnation-type marigolds with odorless foliage. Flowers grow 3½ in. across, clear, vivid golden orange with petals beautifully frilled and waved. Low growing plants produce their lovely flowers profusely summer and fall. Valuable for garden decoration; the long-stemmed flowers highly prized for cutting. Pkt., 25c.

3152 ORANGE SUPREME. Except for its deep orange coloring, this is a twin for Yellow Supreme, which can pass for a Carnation in table arrangements, and is conceded to be best of its class. Flowers reach 4 to 5 inches, on long stems, plants 3 feet tall. Pkt., 25c.

3131 REAL GOLD. 2 ft. Large carnation-type flowers up to 4½ inches across are borne on compact bushes, rather late in season. Color is golden orange illumined with yellow and flowers are abundant. Pkt., 25c.

3124 YELLOW SUPREME. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 10c.

CHRYSANTHEMUM FLOWERED

3151 MAMMOTH "MUM". 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in deep. Pkt., 25c.

3132 YELLOWSTONE. 3-5 ft. A sister of Goldsmith which was orange, this is golden yellow, of incurved globular form, 2½-inch flowers, rather late. Pkt., 25c.

3137 GLITTERS. See Novelties. Pkt., 25c.

3139 HAPPINESS. See Novelties. Pkt., 25c.

3127 LIMELIGHT. 3 ft. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering. 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3140 VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.

3141 CROWN OF GOLD. 2 ft. The first known Marigold with odorless foliage. Flower centers are of short curled, quilled petals with a collar of flat guard petals on outside. Color is orange, 2½-inch flowers, fragrant. Pkt., 20c.

3155 SUPER GIANT MIXED. All large flowered sorts. Pkt., 25c.

3195 SPECIAL MIXTURE OF ODORLESS FOLIAGE VARIETIES. All the odorless varieties in excellent blend. Pkt., 25c.

3154 VAUGHAN'S TREASURE CHEST. 2½ to 3 ft. Colors run from deepest orange through orange, yellow, buff to lightest primrose. Chrysanthemum Carnation and Peony-flowered, many 5 in. across. ¼ oz., 50c; Pkt., 15c.

3150 VAUGHAN'S SPECIAL TALL MIXTURE. This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color ¼ oz., 50c; pkt., 15c.

3198 CUPID MIXED. The double chrysanthemum-like flowers are in rich shades of orange, yellow and golden yellow which completely cover the plant. In size the flowers are equal to those of Marigold Cupid, 2 to 2½ in. across, and the dwarf compact plant but 6 in. tall. An odorless foliage variety. Pkt., 25c.



3170 **MARIGOLD** Harmony Hybrids, 25c.

DOUBLE DWARF FRENCH

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations. ½ oz., 50c; pkt., 10c.

3164A BUTTERBALL. See Novelty Pages. Pkt., 25c.

3135 COLOR MAGIC. See Novelty pages.

3174 HARMONY. Dwarf, compact, early, golden yellow bordered, maroon red. ¼ oz., 60c; ½ oz., 35c; pkt., 15c.

3169A SCARLET GLOW. 1 ft. In the sun this flower glows and seems redder than any other Marigold. Pkt., 25c.

3163 B YELLOW PYGMY. 8 in. Light lemon-yellow, Lilliput French double. Small, 1½ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3170 HARMONY HYBRIDS. Wide and varied range striking color combinations, 1½ inch flowers with crested center and flanking guard petals, early, 100'. All Double. Pkt., 25c.



3131 **MARIGOLD** Real Gold. Pkt., 25c.

SINGLE FRENCH

3179 NAUGHTY MARIETTA. 2 ft. Golden yellow flowers with mahogany star in center, 2 to 2½ in. across. Dwarf showy plants completely covered with bloom. Pkt., 25c.

3187 FLASH. 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1½ in. across. Pkt., 25c.

3189 SUNNY. 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded, and covered with blooms. Pkt., 25c.

DWARF FRENCH, DOUBLE 10 IN.

3171 MONARCH STRAIN OF DWARF FRENCH DOUBLE MIXED. Symmetrical compact habit, including orange, bronze and mahogany. ¼ oz., 35c; ½ oz., 25c; pkt., 10c.



Miniature Harmony

3170A MARIGOLD SPRY. 9 in. This is a miniature version of Harmony, growing in compact bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

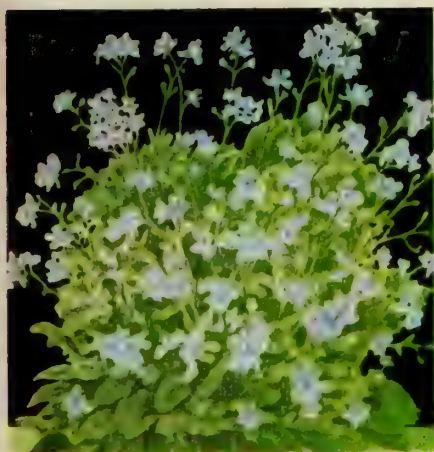
Mesembryanthemum (Ice Plant)

2869 CRINIFLORUM (Livingstone Daisy). Plants of slightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and self colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

I used Cupid Marigold for edging all my flower beds this summer. My garden has never seemed so finished and in such beautiful harmony. I particularly liked the lack of Marigold odor.

K. S. L., Highland Park, Ill

Forget-Me-Nots (Myosotis)



3356 **MYOSOTIS Blue Bird.** Pkt., 25c.

Culture: A, B or C, Page 50

Will bloom the first year from seed, so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days

3321 ALPESTRIS BLUE EYES. 10 in. Bright blue with white eye, large, early. Pkt., 15c

3353 ALPESTRIS ERECTA BLUE SPIRE. Flowers of a vivid blue, deeper yet brighter than indigo, are borne in clusters on strong 12 inch stems of column like habit. It is splendid for mass planting, combining with pink or yellow flowers, or interplanting with tulips. Pkt., 25c

3335 ALPESTRIS ROBUSTA GRANDIFLORA. 12 in., an extra select strain. Large clusters of mid-blue flowers. A perennial which can be treated as an annual, blooming the first year from seed. Pkt., 20c.

3356 VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD. 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.



3412 **NIEREMBERGIA PURPLE ROBE.** Pkt., 25c.

Nierembergia

Culture: D or E, Page 50

3412 COERULEA PURPLE ROBE. 8-10 in. Of compact growth, completely covered with bloom, but its flowers are of deep violet, unfading in the hot sun. Blooms in 15 weeks from sowing, prefers sandy soil and sun, splendid for bedding and edging. Pkt., 25c.

Sensitive Plant

(Mimosa)

Culture: D or E, A or B, Page 50

3270 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Seeds germinate in 10 days. Pkt., 10c.



2901 **MORNING GLORY.** Giant Cornell. Pkt., 20c.



2948 **MORNING GLORY.** Scarlett O'Hara. Pkt., 20c.



2942 **MORNING GLORY.** Heavenly Blue Improved. Pkt., 15c.



1922 **BUSH MORNING GLORY.** Royal Ensign. Pkt., 20c.

Giant Morning Glories

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. Seeds germinate in 8-10 days

2942 HEAVENLY BLUE IMPROVED. The color is a deep sky blue, shading lighter toward the center; the flowers are large and freely produced and the plants flower early and continue throughout the summer. Flowers remain open to six o'clock in the evening on cloudy days. Oz., \$1.35; ¼ oz., 40c; pkt., 15c.

2941 CLARKE'S EARLY FLOWERING. A strain of Heavenly Blue selected for earliness. Flowers measure 3½ to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm. ¼ oz., 35c; pkt., 15c.

2901 GIANT CORNELL. The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. ¼ oz., 60c; pkt., 20c.

2903 DARLING. Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides enough contrast to make flowers stand out immediately. An easily cultivated annual climbing vine, of vigorous growth and very free flowering. Pkt., 25c.

2943 IMPROVED PEARLY GATES. This is a white sport of the lovely Heavenly Blue morning glory, and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c.

2948 SCARLETT O'HARA. Stunning 3½-in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. ¼ oz., 60c; pkt., 20c.

Red, White and Blue

2940 RED, WHITE AND BLUE COLLECTION. One packet each of Scarlett O'Hara, Heavenly Blue and Pearly Gates Morning Glory (value 60c), for 40c.

2935 RED, WHITE AND BLUE MIXTURE. A balanced mixture of the above. Pkt., 25c.

BUSH MORNING GLORY 1 FT.

Showy hardy annuals for beds and borders, also rock-work; they bloom for a long period and delight in sun

1921 PINK. Dwarf spreading plants which are very free flowering. Excellent for growing in window boxes hanging baskets, low edgings and rockeries. The flowers resemble small morning glories but remain open all day in good weather. Sow seed in bright, sunny spot. Pkt., 25c.

1922 ROYAL ENSIGN. A deep bright ultra-marine; the deepest and brightest of all blue annuals, with a white halo and gold throat. The plants are covered with their attractive blossoms all summer. Use for edging and borders. 8 in. Pkt., 20c.

1920 MIXED, all colors. Pkt., 10c.

CONVOLVULUS (Morning Glory)

1900 TALL MIXED, all colors. 1 oz., 25c; pkt., 10.

Moonflowers

"Moonflowers" are climbers

These are Ipomoeas that bloom at sunset, fading in the morning. Very fragrant. Seeds germinate in 10-12 days.

2895 BONA NOX (Evening Glory). Violet. Pkt., 10c.

2905 MEXICANA GRANDIFLORA ALBA (White Moonflower). Opens 4-5 inch white flowers every evening and cloudy day. Pkt., 10c.

2910 GIANT PINK. Soft lilac pink flowers. Pkt., 10c.

Fragrant Nasturtiums

NASTURTIIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8-10 days. Sow after frost danger is over.

APHIS ON NASTURTIIUMS. One of our friends writes in "Florticulture": "I am not troubled with aphid if I sprinkle moth balls (naphthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

Tall, Double Fragrant Varieties

- 3735 GOLDEN GLEAM.** The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Oz., 45c; pkt., 10c.
3732 INDIAN CHIEF. Dark foliage and vivid scarlet flowers. Oz., 45c; pkt., 10c.
3734 MAHOGANY. Large double flowers of dark mahogany-red. Oz., 45c; pkt., 10c.
3738 SALMON CERISE. Oz., 45c; pkt., 10c.
3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Oz., 45c; pkt., 10c.

3745 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIIUMS. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers. $\frac{1}{4}$ lb., \$1.00; 1 oz., 35c; pkt., 15c.

Dwarf, Double Fragrant Varieties

- 3548 CHERRY ROSE.** An excellent variety for cutting, and showy in the border. Flowers $2\frac{1}{2}$ to 3 inches across of a soft cherry-rose are produced earlier than others. Very free flowering. Oz., 45c; pkt., 10c.
3557 GARNET GEM. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an iridescent glow that is most pleasing. Oz., 45c; pkt., 10c.
3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 45c; pkt., 10c.
3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. $\frac{1}{4}$ lb., \$1.25; oz., 45c; pkt., 15c.
3570 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIIUMS. This mixture is put up by ourselves from named single and double varieties which have the richest and most varied colors. $\frac{1}{4}$ lb., \$1.00; 1 oz., 35c; pkt., 15c.

Old-fashioned, Free Flowering Single

- 3575 SINGLE DWARF NASTURTIIUMS MIXED.** Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type. $\frac{1}{4}$ lb., \$1.00; oz., 30c; pkt., 10c.



3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS. Colors never seen before in a double Nasturtium abound in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. $\frac{1}{4}$ lb., \$1.25; oz., 45c; pkt., 15c.



NICOTIANA—Continued.

- 3404 ORANGE BLOSSOM (Miniature White).** 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c.
3402 DAYLIGHT SENSATION MIXED. 1 $\frac{1}{2}$ –2 ft. This new strain provides a brilliant color range lacking heretofore. Bright scarlet, crimson rose, mahogany, violet, yellow, coral, lilac and white, are included. The blooms remain open day and night, unlike the standard nicotiana, which closes in sunlight. Pkt., 25c.

Annual Sunflowers

Helianthus Large Flowered

Seeds germinate in 15 days.
 Culture: A or B, D or E, Page 50

- 2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c.
2717 SILVER GOLD. 4 ft. An interesting new type with silvery-green foliage. A profuse bloomer, with large golden flowers 3 inches in diameter, on long stems. Excellent for cutting and background. 25c.
2713 SUN GOLD. 4 ft. Fully double flowers burst into bloom on the same day, 70 days after sowing. Pkt., 15c.
2725 RUSSIAN MAMMOTH. 8 ft. Single, of gigantic dimensions. The Kansas Sunflower. Lb., 40c; $\frac{1}{2}$ lb., 30c; $\frac{1}{4}$ lb., 20c; 1 oz., 10c.

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others. $\frac{1}{2}$ oz., 25c; pkt., 10c.

Annuals for Shady Locations

- | | | |
|------------------|-------------|---------------------|
| Anchusa | Coleus | Nemophila |
| Antirrhinum | Cynoglossum | Pansy |
| Begonia | Impatiens | Pelunia, Small Fld. |
| Bellis Perennis | Linaria | Schizanthus |
| Canary Bird Vine | Myosotis | Stocks |
| Centaurea | Nasturtium | Torenia |
| Clarkia | Nicotiana | Violas |
- 4746 ANNUALS FOR SHADE MIXED.** Pkt., 25c.



4370 POPPY Shirley Vaughan's Special Mixture. Pkt., 15c.

Shirley Poppies

Culture: A, Page 50

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days. They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

- 4277 AMERICAN LEGION.** 2 ft. A dazzling orange-scarlet of enormous size. $\frac{1}{4}$ oz., 35c; pkt., 10c.
4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 10c.
4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt., 10c.
4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors. 1 oz., \$1.40; $\frac{1}{2}$ oz., 75c; $\frac{1}{4}$ oz., 40c; pkt., 15c.
4251 PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c.

Nicotiana FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 50

Their long tubular flowers close in midday, but open in evening approaches and give forth a rich perfume. Seeds germinate in 20 days.

- 3390 AFFINIS.** 2 ft. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 10c.
3392 AFFINIS HYBRIDS. 2 ft. Sp'endid hybrids in blue, red and rose shades. $\frac{1}{2}$ oz., 25c; pkt., 10c.
3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.
3403 DAYLIGHT. 1–2 ft. The white flowers remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white fragrant flowers. Pkt., 35c.

Small Flowering Single Petunias

Culture: D or E, Page 50

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.

SINGLE DWARF SMALL FLOWERING PETUNIAS 12 to 15 IN.

3996 ADMIRAL. In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms, this excels all other small-flowered blue Petunias. Pkt., 50c.

4017 CELESTIAL ROSE. Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satiny rose with white throat. Pkt., 25c.

3997 FIRE CHIEF. Winner of Gold Medal in All America trials, 1950. This is a dwarf, compact plant which bears single flowers of intense pure red, which develops its greatest brilliance when grown in a cool, sunny location. It is just the thing for the brightest group in your garden. Pkt., 25c.

4001 HEAVENLY BLUE RE-SELECTED. A silvery light blue. Varies about 10% in tone. Pkt., 25c.

4007 GLOW. The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with 2½-inch flowers of dazzling carmine red. Pkt., 25c.

4005 IMPROVED ROSY MORN. An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat. ⅓ oz., 50c; pkt., 15c.

4022 KING HENRY. Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

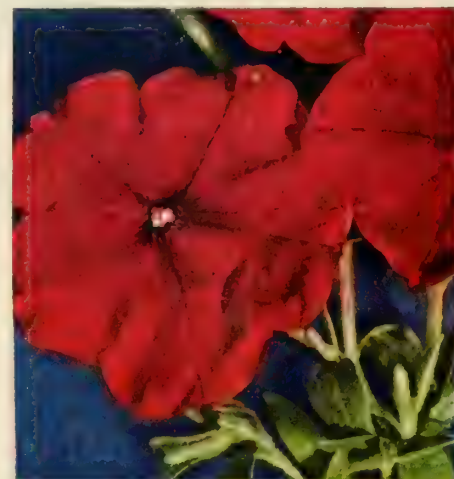
4023 PINK SENSATION. 24 in. A new type with tall, bushy plants, and flowers in profusion. The blossoms are large, of light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

4012 ROSE CHARM (F-1). See Novelties

4018 ROSE OF HEAVEN. Select. Deep rose-pink, darker than Rosy Morn, with inconspicuous white throat. Unfading in hot sun. ⅓ oz., 75c; pkt., 25c.



3996 PETUNIA ADMIRAL. Pkt., 50c.



3997 PETUNIA Fire Chief. Pkt., 25c.

4008 TOPAZ QUEEN. Its scarlet-rose coloring is deeper and richer than Celestial Rose, and does not fade in the sun. Its habit is uniformly compact, flowers larger and borne freely throughout the summer. Recommended for sunny locations. Pkt., 25c.

3990 VIOLET QUEEN (Improved Blue Bird). Rich violet, compact and dwarf, best strain. Pkt., 25c.

4010 SILVER MEDAL. See Novelties. Pkt., 50c.

4020 SNOWBALL. Finest white in the dwarf, small flowered class. Flowers are relatively large and cover the compact plants. Pure white, satin texture. Pkt., 25c.

4011 WHITE PERFECTION. 10 in. Flowers pure white of good size cover the plant. One of the best dwarf whites. Pkt., 25c.

4030 STARRED MIXTURE. Includes all varieties with a star of a contrasting color. Pkt., 25c.

BALCONY TYPE 18—24 IN.

Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely

4037 BALCONY BLACK PRINCE. Dark rich crimson

4036 BALCONY BLUE. Rich blue.

4034 BALCONY RED.

4038 BALCONY ROYAL ROSE. A clear, warm rose

4035 BALCONY WHITE.

Each of the above, pkt., 25c; any 3 for 65c.

4042 BALCONY MIXED. ⅓ oz., 60c; pkt., 25c.

SINGLE SMALL FLOWERING PETUNIAS 18 TO 24 IN.

4006 FLAMING VELVET. A rich velvety crimson best of its color in this class. Pkt., 35c.

3975 HOWARD'S STAR IMPROVED. Red purple with white star. Pkt., 10c.

3995 FINEST MIXED. ⅓ oz., 50c; pkt., 10c

MINIATURE 6 IN.

A new strain of dwarf compact miniature Petunias.

4027 ROSE GEM. Deep rich rose. Pkt., 25c

4024 VIOLET GEM. Rich violet blue. Pkt., 25c.

Vaughan's Seed Company 31



4001 PETUNIA Heavenly Blue Re-Selected. Pkt., 25c.

4017 PETUNIA Celestial Rose. Pkt., 25c.



3932 PETUNIA All Double America. Pkt., 50c.

ALL DOUBLE DWARF SMALL FLOWERING

3932 AMERICA (Improved). 1 ft. First All-double produced in America. Flowers of carnation form and size, 100% double, are borne on trim, compact plants, with small leaves free from sticky sap. Flowers average 2¼ inches. Pkt., (100 seeds), 50c; 1,000 seeds, \$3.50.

3935 ALL DOUBLE ROSE MARIE. 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) \$1.00.

ALL DOUBLE PAN AMERICAN STRAIN (Large Flowering)

3937 CAPRICE. 15 in. Deeply fringed flowers of bright rose are borne on compact dwarf plants. The favorite petunia color. Pkt., \$1.00.

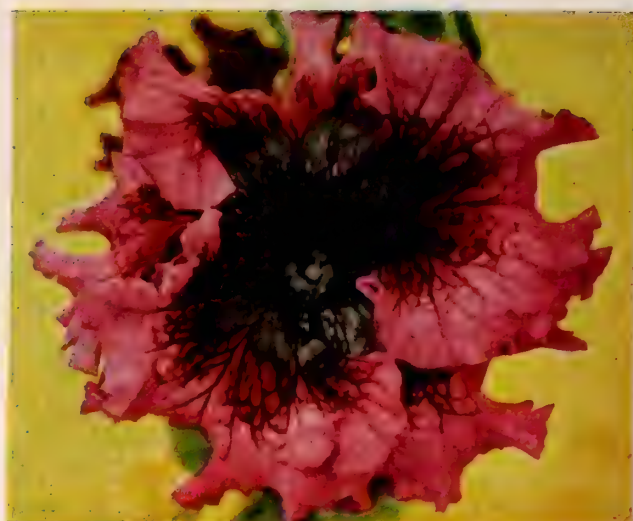
3938 NOCTURNE. 18 in. Dark blue purple blossoms, with petals of plain edge, accent the beauty of lighter colors in border and in flower arrangements. Pkt., \$1.00.



4025 VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors. ⅓ oz., \$1.25; ⅓ oz., 75c; pkt., 25c.



4080 PETUNIA Tango. 50c.



4066 PETUNIA Type of Dwarf California Giant Mixed.

Large Flowering Petunias

SINGLE FRINGED

4049 DAINTY LADY. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. To protect this coloring, plant in light shade, as bright sunlight fades it. Pkt., 35c.

4047 PURPLE BEAUTY. 16 in. A large flower beautifully frilled, the best blue fringed Petunia. Pkt., 35c.

4094 SETTING SUN (GLOBE TYPE). Compact mound of rose pink flowers. Comparable in plant habit and size of bloom to White Mound. Pkt., 25c.

4069 RUFFLED MONSTERS. Semi-dwarf type of erect and robust habit. The flowers are very large and ruffled, colors red and dark purple, richly marked and veined. Pkt., 50c.

4097 RUFFLED LITTLE GIANTS PINK SHADES. See Novelties.

4048 FRINGED SNOWSTORM. 20 in. Flowers white with yellow throat, 3-inch diameter and deeply fringed. Pkt., 35c.

4080 TANGO (F1HYBRID). Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Beautifully fringed flowers, 3½ to 4 inches across. A truly dwarf plant but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 in. high, with a spread of 2 ft. Very brilliant. Pkt., 50c.

4062 THEODOSIA. 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.

4059 WHITE BEAUTY. Fringed pure white. Pkt., 25c.

4066 DWARF CALIFORNIA GIANTS MIXED. The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the Superbissima type. Pkt. (250 seeds), 50c; 500 seeds, 90c.

4052 FRINGED WHITE MOUND. A low, compact mound of large fringed white blossoms. An excellent plant for cemetery. Pkt., 35c.

4051 RUFFLED LITTLE GIANTS MIXED. 8-10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. Pkt., 50c.

4077 SALMON BEAUTY. Giant flowers of true salmon pink, 5 to 7 in. across. Outstanding in our trials. Pkt., 35c.

SINGLE PLAIN EDGE 12-16 IN. The flowers of this type average 3 to 4 inches across.

4060 DAZZLER. A new, exceedingly brilliant, large flowering, low growing, vivid scarlet. Pkt., 35c.

4099 DWARF PINK GLORY. A very large well formed flower of exquisite luminous pink with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.

4058 ELK'S PRIDE. RE-SELECTED. Velvety black-purple, one of best dark blues. Pkt., 25c.

4055 SNOW STORM. Glistening white, faintly yellow in the throat. Huge 4 to 5 in. flowers. Pkt., 35c.

4067 WHITE CLOUD. See Novelties.

4100 VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt., (300 seed) 35c.

4065 GIANTS OF CALIFORNIA MIXED. A well balanced mixture containing a remarkably fine variety of colors, in blends of crimson, white, violet, lavender and pink. Large flowers freely produced. Pkt., 25c.



4051 PETUNIA Ruffled Little Giants. Pkt., 50c.



ILLUSTRATED ABOVE

4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt., 35c.



4055 PETUNIA Snow Storm. Pkt., 35c.



3894 PANSIES Vaughan's Super Swiss Giant Mixed. Pkt., 35c.

3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.40; pkt., 35c

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

3775 BUTTERFLY HYBRIDS. A pastel strain with colors in pink, buff, overlaid in pink or bronze, orchid, lavender, yellow, from delicate pale gold to rich orange, pastel red, salmon, coral, rose, all overlaid with a delicate bronze. Pkt., (100 seeds), 75c.

3840 TRIMARDEAU MIXTURE. It has a complete color range, of older varieties $\frac{1}{4}$ oz., \$1.25; pkt., 15c.

3881 ENGELMANN'S GIANT. A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 50c.

3830 TIGRESS. See Novelties.

Giant Pansies

Culture: A, B or C, Page 50

GIANT SWISS VARIETIES

3892 ALPENGLOW. Rich wine-red shades. Pkt., 35c.

3891 BLUE (Ullswater) (Thuner See). Deep blue flower with blue-black blotches. Pkt., 35c.

3820 CORONATION GOLD. The largest pure gold self. Pkt., 35c.

3897 DELFT BLUE. A delightful tone of translucent blue. Pkt., 35c.

3862 FIRE BEACON. Bright wallflower red with a touch of orange. Pkt., 35c.

3899 MONCH. Pure yellow, blooming early. Pkt., 35c.

3900 PURE WHITE. Pkt., 35c.

3893 YELLOW (RHEINGOLD). Rich yellow with blotches on the three lower petals. Pkt., 35c.

3901 SWISS RASPBERRY ROSE. See novelties. Pkt., 50c.

3902 SWISS PANSY COLLECTION. 1 Pkt. each of above 9 varieties, regular value \$3.30 for \$2.75.

3903 VAUGHAN'S DWARF SUPER SWISS MIXED. For those who desire plants dwarfier than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

Ricinus (Castor Bean)

Culture: A or B, D or E, Page 50

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days.

4544 BORBONIENSIS ARBOREUS. 15 ft. Immense plants with green foliage. Pkt., 10c.

4546 CRIMSON SPIRE. 6 ft. Large purplish leaves changing to bronzy green. Stems, stalks and veins are rich red; seed spikes and seed pods are brilliant crimson. Most showy. $\frac{1}{2}$ oz., 30c; pkt., 10c.

4570 MIXED. Many sorts. 1 oz., 50c; pkt., 10c.

4560 ZANZIBAR MIXED. 10 to 12 ft. The ornamental leaves, beautifully lobed, are $2\frac{1}{2}$ to 4 ft. across. Each plant a perfect pyramid. $\frac{1}{2}$ oz., 50c; pkt., 10c.

PERIWINKLE—See Vinca.

SPECIAL MIXTURES

3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants). The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors. $\frac{1}{16}$ oz., \$1.50; $\frac{1}{8}$ oz., \$2.50; Pkt., 50c.

3875 VAUGHAN'S GIANT MIXTURE. This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture. $\frac{1}{4}$ oz., \$1.50; pkt., 25c.

The pansies which I grew from your seed are in full flower and have been since early spring. They are the largest I have ever seen. Over 20 different color combinations in one bed. L. E., Denver, Colo.



3891 PANSY Swiss Blue (Ullswater). Pkt., 35c.



4560 RICINUS Zanzibar Mixed. Pkt., 10c.

Vaughan's Seed Company 3

Phlox, the Gayest Annual

Culture: A or B, D or E, Page 50

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days.

Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

- 4166 BLUE BEAUTY
 - 4167 CRIMSON BEAUTY
 - 4168 MAUVE BEAUTY
 - 4169 PINK BEAUTY
 - 4170 SALMON BEAUTY
 - 4171 SCARLET BEAUTY
 - 4172 VIOLET BEAUTY
 - 4173 WHITE BEAUTY
- Each of the above, pkt., 25c

- 4174 BEAUTY MIXED, a formula blend. Pkt., 25c.

- 4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. Pkt., 25c.

Giant Phlox

- 4103 GIGANTEA ART SHADES. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.

TETRA PHLOX

- 4225 TETRA RED. 20 in. Plants are vigorous, well-branched, and bear profusely very large trusses of delicately scented, deep red flowers, 1¼ in. across. Pkt., 35c.

- 4226 TETRA SALMON. 1 ft. Florets, borne in clusters of 10 or more, are immense, up to 1¾ in. across, a clear light salmon-pink in pleasing contrast to a creamy-white eye. Highly desirable for mass effect or to combine with blue, lavender white or deep red. Pkt., 50c



4220 PHLOX Vaughan's Special Mixture. Pkt., 25c.

- 4220 PHLOX, DRUMMONDI Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. ¼ oz., \$1.50; ½ oz., 80c; pkt. 25c

Colorful Stocks

Culture: A or B, D or E, Page 50

STURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop

BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft

- 4949 BISMARCK MIXED. ½ oz., 75c; pkt., 15c.

DWARF LARGE-FLOWERING DOUBLE TEN WEEKS STOCK 12 IN.

- 4865 BEST MIXED. ½ oz., 50c; pkt., 10c.

STOCKS COLUMN NON-BRANCHING. See page 49.



Culture: A, D or E, Page 50

DOUBLE PURPOSE RUNNER BEANS

- 4766 SCARLET EMPEROR. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c.



4455 PORTULACA Double Best Mixed. 15c.

Portulaca

Culture: A, D, Page 50

MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed. Seeds germinate in 20 days.

LARGE FLOWERING SINGLE

- 4426 SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c.

- 4430 SINGLE MIXED. Oz., \$3.00; ¼ oz., 90c; ½ oz., 50c; pkt., 10c.

LARGE FLOWERING DOUBLE

- 4442 DOUBLE SCARLET GLOW. A brilliant orange scarlet of true double form. Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer. Pkt., 25c.

- 4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. ¼ oz., \$1.25; ½ oz., 75c; pkt., 15c



4426 PORTULACA Jewel. Pkt., 25c.



4430 PORTULACA Single Mixed. Pkt., 10c.

Statice

(For Winter Bouquets)

Culture: D or E, Page 50

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

- 4806 SINUATA NEW HYBRIDS. 30 in. Art Shades in a mixture for the garden and winter bouquets. Pkt., 15c.

WINDOW BOX MIXTURE

- 5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c

On Page 50 will be found complete instructions for growing flowers from seed. Note time required for germination, as given for each subject; also specific references to paragraphs on Page 50

Gold-veined Salpiglossis

Culture: A or B, Page 50

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches. Seeds germinate in 8 days.

4625 EMPEROR MIXED. Large improved strain. Complete range of colors. $\frac{1}{8}$ oz., 25c; pkt., 10c.

4615 GLOXINIAEFLOA MIXED. A special selection of the Painted Tube Tongie. Flowers large and fancifully veined in contrasting colors. Pkt., 10c.

4630 VAUGHAN'S SPECIAL MIXTURE. This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. $\frac{1}{8}$ oz., 30c; pkt., 15c

4620 DWARF GIANT FLOWERED MIXED. Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 20c



5635 TAHOKA Daisy. Pkt., 25c.

Tahoka Daisy, 20"

Culture: A or B, D or E, Page 50

5635 A beautiful lavender-blue Daisy with fern-like foliage, on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt. 25c



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

Salvias

Culture: D or E, A or B, Page 50

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders. Seeds germinate in 15-20 days.

SPLENDENS TYPE

4640 AMERICA, OR GLOBE OF FIRE 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4646 BLAZE OF FIRE. 12 in. Earliest of all. The compact plants are mounds of brilliant scarlet, starting to bloom when only a few inches tall and continuing in bloom until late fall. Pkt., 25c.

4642 BRIGHTNESS. The plants grow as tall as the old Splendens. The habit is much more compact and the bloom is much earlier, starting about the same time as Bonfire. We consider it a great improvement on Splendens. Pkt., 25c

4655 CLARA BEDMAN OR BONFIRE. 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. $\frac{1}{8}$ oz., \$1.00; pkt., 25c.

4656 ROSE FLAME. Rich coral pink which blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c

4669 ST. JOHN'S FIRE. See Novelties

4667 VAUGHAN'S MASTERPIECE. 18 in. The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit. Pkt., 25c.



4640 SALVIA SPLENDENS America, Pkt., 25c.



5645 TORENIA FOURNIERI. Pkt., 15c.

Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 50

5645 FOURNIERI. Bushy globular plants literally covered with the lovely, richly-colored Snapdragon like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt., 15c



4683 SALVIA Farinacea Blue Bedder (in Background). Pkt., 20c.

5770 VINCA White (in Foreground). Pkt., 10c.

OTHER SALVIAS

Culture: A or B, D or E, Page 50

4683 FARINACEA BLUE BEDDER. 2 1/2-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 20c.

See also Perennial Pages.

SCHIZANTHUS. See page 49

SHAMROCK. See page 49.

SOLANUM (CHRISTMAS CHERRY). See page 49

4825 THE SOUTHERN STAR. See Novelties Pkt., 25c.

Alpine Runnerless Strawberry

4828 BARON SOLEMACHER. This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c

4829 BARON SOLEMACHER YELLOW FRUITED. A counterpart of the above, but golden, and of even finer flavor. Pkt., 25c.

5641 TIGRIDIA. See page 49



4735 SCABIOSA Super Crown Imperial Giant Mixed. Pkt., 25c.



5265 CUTHBERTSON Sweet Peas, Mixture. Pkt., 20c.

SPENCER SWEET PEAS

5622 RUFFLED MIXED. An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Oz., 50c; pkt., 10c.

5595 VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS. A Formula-blend made from named sorts, including the most fragrant varieties. This strain is recommended for all sections where Spring is late as they flower before the summer heat arrives. 4 oz., \$1.80; 2 oz., \$1.00; oz., 60c; pkt., 15c.

New Type Scabiosas

Culture: A or B, D or E, Page 50

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion. Seeds germinate in 20 days.

Super Crown Imperial Giant

4735 VAUGHAN'S SUPER CROWN IMPERIAL GIANT MIXED. An entirely new strain of this lovely flower. Larger than older kinds, the globular blossoms, 2½ to 3 inches across, are fully double, entirely eliminating the "pin cushion center of older types, and displaying the full beauty of their broad, wavy petals. The colors are soft and pleasing, in a complete range from white, salmon, coral rose and red to various tones of blue. Plants stand 3 feet tall, and the flowers are borne erect on tall stems, making excellent cut flowers, as well as presenting an attractive garden display. Pkt., 25c.

DOUBLE LARGE FLOWERING 3 FT. SPECIAL STRAIN

4722 OXFORD BLUE. 3 ft. A deep, rich campanula blue, far deeper than Ageratum Blue or Blue Moon, larger than any other variety to date. Pkt., 25c.

4728 SHASTA IMPROVED. Enormous white. Pkt., 15c.

4737 VAUGHAN'S MIXTURE OF SUPER-SCABIOSA. This is a balanced blend of named varieties, including all the delightful jewel-like colors of this flower, such as Amethyst Blue, Azure Fairy, Black Prince, Cherry Red, Salmon Rose, Oxford Blue, Peachblossom, Salmon Beauty, and others. ¼ oz., 60c; pkt., 25c.

DOUBLE SEMI-DWARF VARIETIES

4743 DWARF DOUBLE MIXED. 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. ½ oz., 35c; pkt., 10c.

See also Perennial Pages

4731 SCABIOSA BLUE MOON. 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long strong stems ideal for cutting. Pkt., 15c.

4717 CORAL MOON. See Novelties.

Sweet Peas that Flower in Hot Weather

CUTHBERTSON SWEET PEAS. The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this splendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

5251 CAROL. Clear pink, white ground.

5252 COLINE. Scarlet.

5253 DAVID. Bright rose crimson.

5271 DORIS. A distinct shade of cherry-rose.

5255 EVELYN. Salmon cream pink.

5256 FRANK G. Rosy lavender.

5258 JANET. Black seeded white.

5268 JIMMY. Deep scarlet, long stemmed, fragrant

5266 MARION. Black seeded cream.

5272 RONNIE. A deep orange. Requires some shade to bring out the rich color.

5273 RUTH. Rich deep rose-pink on white ground

5262 TOMMY. Clear medium blue.

5267 WILLIAM. Picotee rose pink on white background

Each of the above, pkt., 20c.

5265 MIXED. A brilliant well-balanced blend Pkt., 20c; ½ oz., 65c; oz., \$1.00.

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 15c.

COLLECTION NO. 5690. One Packet Each, Sweet Peas, Early Flowering Spencer, Fragrant Varieties Amethyst, Apollo, Blue Bird, Fragrance, Gardenia, Giant Rose, Harmony, Laddie Improved, Mrs. Herbert Hoover and White Harmony. 75c.

Tithonia

5644 TORCH. All America Silver Medal 1951. A dwarf form of this Mexican plant with brilliant orange-scarlet flowers, which in its native form often grows 12 feet tall. Torch grows 3 to 4 feet tall and bears flowers of the same brilliance as the taller variety Fireball, but is much earlier to bloom. A tender annual, it stands the summer heat and seems free from all diseases. Of compact upright bushy form, with luxuriant foliage and strong straight stems for cutting, as well as for brilliant garden display. Pkt., 25c.



4731 SCABIOSA BLUE MOON. Pkt., 15c.



5644 TITHONIA TORCH. Pkt., 25c.

Vinca Rosea (Periwinkle)

Culture: D or E, Page 50

Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after frost is over. 1 ft. Seeds germinate in 10 days.

5775 MIXED. Pkt., 10c. 5770 WHITE. Pkt., 10c.



5716 ROSELIGHT. Pkt., 25c. 5715 STARLIGHT. Pkt., 25c. 5725 FIRELIGHT. Pkt., 25c.

Verbenas

Culture: D or E, A or B, Page 50

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds, and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

- 5701 GIGANTEA ALBA. Pure white. Very fragrant.
- 5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.
- 5721 SALMON KING. A pleasing shade of clear deep salmon. Florets larger by comparison with any other variety of Verbena. The plant habit is of tight compact growth, eliminating the open centers. Pkt., 25c.
- 5710 —SPECTRUM RED. Intense bright red.
- 5720 VIVID. The most brilliant sunproof scarlet, brighter and more intense in color than Spectrum Red. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any three pkts. for 35c.

- 5708 GIGANTEA MIXED. A wonderful mixture of large flowering varieties. Pkt., 15c.
- 5744 DWARF VAUGHAN'S SPECIAL MIXTURE. 6 in. A formula mixture of dwarf compact varieties of all colors, giving a brilliant effect in mass planting. Excellent for front yard plantings. Pkt., 25c.

BUSH TYPE

Plants are of uniform bushy habit about 8 to 10 in. high and 12 to 15 in. across, with flower heads practically touching each other. Most suitable for borders.

- 5725 FIRELIGHT. The most vivid red Verbena. The bushy, even growth provides masses of closely spaced blooms which achieve a carpet of fiery brilliance unequalled in any other border or bedding plant. Pkt., 25c.
- 5714 GIANT SALMON QUEEN. 8-10 in. Its unique habit of growth makes it outstanding. The plants form compact, flat-topped bushes. The large flower heads are bright salmon-pink, white eye. Pkt., 25c.
- 5724 SNOW WHITE. A fine large-flowered pure white. Plants at full growth are 8 to 10 inches high and 12 to 15 in. across. Snow White, with its closely spaced trusses of bloom, is an excellent addition to this fine strain. Pkt., 25c.
- 5715 STARLIGHT. 10 in. A bright mid-blue with white eye. Plants of uniform bushy habit with flower heads touching each other. Pkt., 25c.
- 5716 ROSELIGHT. A bright rose-pink with white eye giving a color effect similar to the popular Rosy Morn Petunia. Profusely blooming and of uniform erect bushy habit. Pkt., 25c.
- 5726 MIXED. A balanced mixture which includes the above and special selections from the introducer's breeding grounds. Pkt., 25c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrid and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer. $\frac{1}{2}$ oz., 65c; large pkt., 25c; pkt., 15c.

5697 VERBENA COLLECTION

1 pkt., each 5716 Roselight, 5715 Starlight, 5725 Firelight Value 75c for 60c



5805 VIOLA CORNUTA. Yellow Gem. Pkt., 20c. 5790 BLUE PERFECTION. Pkt., 15c. 5804 CHANTREYLAND. Pkt., 25c. 5806 WHITE PERFECTION. Pkt., 15c. 5814 COLLECTION. 1 Pkt. each of 4 above Violas, 60c.



5847 WILD CUCUMBER VINE. Oz., 60c; Pkt., 15c.

Wild Cucumber

5847 Quickest growing climber in our list. It is thickly dotted with white fragrant flowers, followed by an abundance of ornamental prickly seed pods. Sown on banks it will act as soil binder. The vines will soon cover a fence. Oz., 60c; $\frac{1}{2}$ oz., 35c; pkt., 15c.

Look for time required for seed to germinate as given for each flower, also for specific references to the cultural instructions on Page 50.

Hardy Violas

Culture: A or B, Page 50

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

CORNUTA TYPE—10 IN.

- 5785 ADMIRATION. Violet-blue. Pkt., 15c.
- 5789A BLUE BEAUTY. Bright blue. Pkt., 15c.
- 5790 BLUE PERFECTION. Light blue. Pkt., 15c.
- 5804 CHANTREYLAND. Apricot. Pkt., 25c.
- 5796 JERSEY GEM. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.
- 5802A K-ING HENRY (Purple King). A deep purple violet with yellow eye. Pkt., 25c.
- 5806 WHITE PERFECTION. Finest white. Pkt., 15c.
- 5793 NOSEGAY. A blend of bright gay colors, red yellow, blue and apricot, combined with many blotched combinations. Pkt., 25c.
- 5792 PUCK. Upper petals purple velvet, lower clear yellow. Pkt., 25c.

CORNUTA HYBRIDA (LARGE FLOWERS)

- 5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.
- 5790A CHINESE BLUE. A round-faced type. According to the Royal Horticultural Chart, is French Blue. It is the nearest substitute to the famous Viola Maggie Mott. Pkt., 25c.

MISCELLANEOUS VIOLAS

- 5797 JOHNNY-JUMP-UP OR VIOLA TRICOLOR. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than others and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.
- 5798 LUTEA SPLENDENS. 8 in. Bright yellow. 10c.
- 5811A NIGRA OR BLACK IMP. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.
- 5805 YELLOW GEM. Free flowering clear yellow of compact habit. Pkt., 20c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c.

Decorative Zinnias



Midget Zinnias

6126 VAUGHAN'S MIXTURE OF MIDGET ZINNIAS. (MEXICANA TYPE) .1 ft. Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias. $\frac{1}{8}$ oz., 50c; pkt., 15c.

YELLOW MINIATURES

6124 MEXICANA GOLDEN YELLOW. Double, miniature zinnia flowers of bright golden yellow, fine for edgings; excellent for low bowl arrangements. Pkt., 25c.

6043 PERSIAN CARPET. See Novelties.

Cupid Type. The smallest of all. 1 ft. Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 CUPID MIXED. $\frac{1}{8}$ oz., 35c; pkt., 10c



Scabiosa Flowered

6159 MIXED. $2\frac{1}{2}$ ft. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. $\frac{1}{4}$ oz., 70c; pkt., 15c; 3 pkts., 40c.

6173 VAUGHAN'S NOVELTY MIXTURE. All the new types of Zinnias such as Fantasy, Navajo, Striped and others, which are rich in color combinations and unusual forms of high decorative value, which make them valuable for cut flowers. All have small or medium flowers and are suitable for low bowl arrangements. They also give excellent border effect in the garden. Pkt., 25c; 3 pkts., 65c.

Culture: A or B, D or E,
Page 50

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. Seeds germinate in 5-7 days.

CUT-and-Come Again

PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 SNOW BALL.

6100 WATERMELON

PINK. A very pleasing and charming shade of salmon-rose.

6097 PINKIE. Rose-pink.

Each of the above, pkt., 10c; 3 pkts. for 25c.

6105 PUMILA

VAUGHAN'S SPECIAL MIXED. Oz., \$1.25; $\frac{1}{4}$ oz., 45c. Pkt., 15c.

6099 SUNSHINE TINTS. New rich pastel shades. Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall. Pkt., 15c.



6110 ZINNIA Red Riding Hood. Pkt., 10c.

A Favorite Border Plant

6110 RED RIDING HOOD. 1 ft. Of compact form, covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. Oz., \$1.75; $\frac{1}{4}$ oz., 60c; $\frac{1}{8}$ oz., 35c; pkt., 10c

Fantasy Type

$2\frac{1}{2}$ ft. shaggy, ray-like petals, like Cactus Dahlia

5910 MELODY. A rich soft orchid lavender; the medium sized flowers have finely curled and twisted petals, light and dainty in appearance. Free blooming, coming into flower early and giving continuous bloom through the summer months. Pkt., 25c.

5912 ORANGE LADY. Bright deep orange.

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow

5913 WHITE LIGHT. Pure white.

5914 WILDFIRE. Rich dazzling scarlet.

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petaled double flowers. $\frac{1}{4}$ oz., 60c, pkt., 15c.

6180 PEPPERMINT STICK MIXED. See Novelties Pkt., 25c.



6075 ZINNIA Lilliput, Vaughan's Special Mixed. Pkt., 15c.

Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 BLACK RUBY. Rich deep maroon.

6052 BRIGHT PINK. **6064 PURPLE.**

6073 CANARY YELLOW. **6065 SALMON ROSE**

6061 CRIMSON GEM. **GEM.**

6066 SCARLET GEM.

6053 DAINTY GEM. Gay, bicolor rose flowers

6062 GOLDEN ORANGE. **6067 WHITE GEM.**

6068 ROSE BUD. Rose-pink.

6069 VALENCIA. A real deep burnt orange.

Each of above, pkt., 10c; any 3 pkts., 25c.

6075 LILLIPUT VAUGHAN'S SPECIAL MIXED. All above and others. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt., 15c.

6070 LILLIPUT PASTEL MIXTURE. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.

Last year I had a bed of Isabellina Zinnias and Will Rogers together; the creamy tint of the Isabellina and beautiful true form flowers and the daring red of Will Rogers were a striking contrast and a much admired spot in my garden. G.H., Dubuque, Iowa.



5910 ZINNIA FANTASY MELODY. Pkt., 25c.



5893 ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES. This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered. Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c.



5895 SUPER GIANT VAUGHAN'S SPECIAL MIXTURE. Pkt., 25c.

Giants of New Race

5895 SUPER GIANTS, VAUGHAN'S SPECIAL MIXTURE. A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picotee, with many two-toned combinations. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. Flowers grow $5\frac{1}{2}$ to $6\frac{1}{2}$ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.



6050 ZINNIA Lilliput Tom Thumb Mixed. Pkt., 15c.

Tom Thumb Zinnias

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. $\frac{1}{4}$ oz., 50c; pkt., 15c.



ZINNIA CULTURE

Zinnia seeds germinate in 5 to 7 days when sown in warm soil, and the plants grow so rapidly to flowering size that relatively little is gained by starting them in a greenhouse or hot-bed. Excess seedlings thinned out of a garden sowing can be moved to other locations with almost no check in growth. The plants are extremely tender and seeds should not be sown until the ground is warm. Insects and diseases rarely bother the zinnias, but mildew will attack plants which grow too crowded. To avoid such attacks plants should be spaced far enough apart to insure free circulation of air among them. The large flowered type should be spaced at least 2 feet apart, the medium flowered varieties such as Fantasy and Scabiosa Flowered, 18 inches apart; the Pumila and Lilliput 1 foot apart. To control mildew use a fungicide dust or spray such as Fermate, Acme Wettable Dusting Sulphur and Grape and Rose Dust listed on Page 85.

Spread of mildew is favored by sprinkling the plants in hot weather so that they do not dry thoroughly before nightfall. It is best to apply water direct to the soil, except when the leaves need washing. Sprinkling should be done only in sunny weather, preferably in the morning, so the plants will be completely dried by the sun.



5861 ZINNIA David Burpee, Pkt., 15c.

Smallest Zinnia

6127 LINEARIS. 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed, the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.

Novelty Zinnias

6177 NEW CACTUS RED. Pkt., 25c.
6178 NEW CACTUS RED IN MIXTURE OF ALL GIANT SORTS. Pkt., 25c

5891 ZINNIA DAVID BURPEE. 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "Surprise Garden Mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c.

5857 FLORDALE SCARLET. See Novelties. Pkt., 25c.

6038 RIVERSIDE BEAUTY. See Novelties.

6035 GIANT CACTUS FLOWERED HYBRIDS. (Giant Burpee Hybrids) See Novelties.

Dahlia Type Zinnias

6171 6 PACKETS, CATALOG VALUE 90c.

One each of **Crimson Monarch**, **Polar Bear**, **Illumination**, **Oriole**, **Royal Purple** and **Eldorado**, prepaid. **50c**

Zinnia seed should not be sown until the ground is warm. Seeds germinate in 7 days. In fertilized soil and watered freely, flowers will be more completely double

GIANT DAHLIA FLOWERED ZINNIAS 2 TO 3 FT.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter

6131 **CANARY BIRD**. Rich canary yellow

6133 **CRIMSON MONARCH**. Rich crimson, largest and best of red shades.

6134 **DREAM**. A fine, deep rosy lavender. 6134A **ELDORADO**. Salmon apricot.

6135 **EXQUISITE**. Color light rose with center a deep rose.

6137 **GOLDEN DAWN**. Beautiful shade of golden-yellow

6130 **ILLUMINATION**. A striking self-color of deep rose

6130A **LUMINOSA**. Bright pink

6142 **METEOR**. A rich glowing deep red, darkest of all red shades

6138 **ORIOLE**. An immense orange and gold bicolor

6139 **POLAR BEAR**. A very large pure white, the best white

6143 **ROYAL PURPLE**. A deep rich reddish purple.

6141 **SCARLET FLAME**. Bright scarlet

6143A **WILL ROGERS**. Most beautiful scarlet red

Each of above Any four pkts., 50c; pkt., 15c.

6145 **GIANT DAHLIA FLOWERED, GOLD MEDAL MIXED**. All the above and others, including a bewildering variety of delightful colors, all giant flowers. Seeds germinate quickly in warm soil and flowers begin in a few weeks. A mass planting not only decorates the border, but the home as well. Oz., \$1.50; $\frac{1}{4}$ oz., 50c; pkt. **15c**



6133 ZINNIA Crimson Monarch. Pkt., 15c.



6168 ZINNIA Isabellina. Pkt., 25c.



6134 ZINNIA Dream. Pkt., 15c.

California Giants

They are larger than Colossal and a cross between that and the Dahlia Flowered types. They have smaller flat centers with petals more loosely placed. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 **BRIGHTNESS**. A bright, deep rose.

6164 **CHERRY QUEEN**. Brilliant cherry.

6162A **CRIMSON QUEEN**. Rich crimson.

6161A **DAFFODIL**. Canary yellow.

6162 **ENCHANTRESS**. Light rose, deep rose center.

6169 **GOLDEN QUEEN**. Golden yellow.

6146 **GRENADIER**. Bright dark red.

6147 **LAVENDER GEM**. Rosy lavender.

6168 **ISABELLINA**. A beautiful soft cream-yellow, blending well in all color combinations in the garden or in flower arrangements. For many years unobtainable, we are again able to offer seed. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any 4 pkts. for 50c.

ALL THE ABOVE AND OTHERS IN MIXTURE

6156 **CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE**. This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets. Oz., \$1.50 $\frac{1}{4}$ oz., 50c; pkt., 15c.

6163 **MISS WILMOTT**. Soft pink.

6151 **ORANGE KING**. Orange scarlet.

6153 **PURITY**. A clean pure white

6166 **ROSE QUEEN**. Warm, deep rose.

6154 **SALMON QUEEN**. Salmon

apricot.

6165 **SCARLET QUEEN**. Glowing scarlet

6149 **VIOLET QUEEN**. Deep purple

Two-Tone Pastel Mixture

5901 **SUPER CROWN OF GOLD PASTEL TINTS**. Strictly a mixture of pastel tints and contains a wide color range including soft yellow, old gold, light pink, apricot pink, various salmon shades, peach, and buff, lively cerise salmon as well as pure white and cream. All the flowers carry the deep golden yellow base of the Crown of Gold types and the individual color at the tip. Midway between Dahlia Flowered and California Giants as to type. Pkt., 25c.

All Giant Zinnia Mixture

6170 **VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS**. This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall. Oz., \$2.00; $\frac{1}{4}$ oz., 60c; pkt. **25c**



7073 **ANCHUSA** *Myosotidiflora*. Pkt., 35c.



7197 **ARABIS** *Alpina Rosea*. Pkt., 35c.

Vaughan's Perennial Flower Seeds

If sown in the early spring, perennial flowers will grow into sturdy plants by fall and if moved then to their permanent places they will give normal bloom the following summer. Some varieties will bloom

in the fall of the year they are planted. To grow your own perennials from seed enables you to have an abundance of plants for small outlay, plus the knowledge that your skill and effort produced them

Achillea (Yarrow)

Culture: D or E, Page 50

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days.

7008 EUPATORIUM FILIPENDULA, PARKER'S VARIETY. 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets. Pkt., 15c

7010 THE PEARL. 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

Aconitum (Monkshood)

Culture: C, Page 50

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 BARKER'S VARIETY. 6 ft. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c

7020 NAPELLUS. 2½ ft. July-August. Fine rich blue flowers. Pkt., 25c

7025 WILSONI. 6-7 ft. Sept-Oct. Tall, autumn flowering, mauve, fine for cutting. Pkt., 15c.

Agrostemma

Culture: E, D or C, Page 50

7048 CORONARIA ATRO-CARINEA. 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Germinates in 20-30 days. Pkt., 10c.

Alyssum (Madwort)

Culture: B, D or E, Page 50

Seeds germinate in 5-10 days.

7054 ARGENTEUM. 1 ft. Dwarf, yellow flowers, leaves silvery underneath. Pkt., 10c.

7055 SAXATILE COMPACTUM (BASKET OF GOLD). 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c

7056 —COMPACTUM SULPHUREUM CITRINUM. Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c

7057 ROCK GARDEN VARIETIES MIXED. Many rare species in mixture. Pkt., 15c

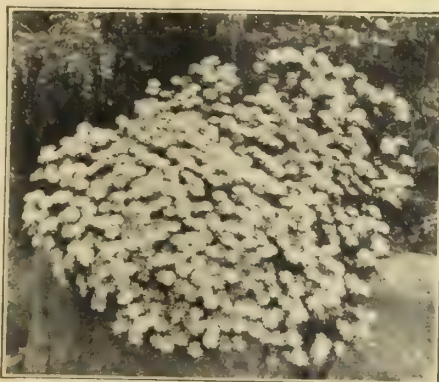
Columbine

(Aquilegia)

Culture: B, C, D or E, Page 50

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in rich soil. Seeds germinate in 30 days

7150 MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c.



7055 **ALYSSUM**, *Saxatile Compactum*. Pkt., 15c.

AQUILEGIA—Continued

7151 DOBBIE'S IMPERIAL HYBRIDS. A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7160 CELESTIAL BLUE. Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7156 LONG-SPURRED CRIMSON STAR HYBRIDS. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.



7150 **AQUILEGIA**, Mrs. Scott Elliott's Strain. Pkt., 25c.

AQUILEGIA—Continued

7158 LONG-SPURRED BLUE. Splendid selection from light to dark blue. Pkt., 35c.

7157 LONG-SPURRED COPPER QUEEN. Lovely deep copper with long spurs of deeper hue. Pkt., 50c

7159 LONG-SPURRED ORANGE AND SCARLET. 35c.

7119 ALPINA. Powder blue. 2 ft. April-July. Pkt., 15c.

7125 CHRYSANTHA. 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c

7126 —SILVER QUEEN. 3 ft. Long-spurred silvery white flowers. Pkt., 25c

7131 CLEMATIFLORA MIXED. Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c

7140 COERULEA (Rocky Mountain Columbine). 1 to 2 ft. April-July. One of the most beautiful of native flowers. Sepals, deep blue; petals, white. Pkt., 10c.

7141 COERULEA MRS. NICHOLLS. This is a glorified Rocky Mountain with larger flowers. Pkt., 50c.

7145 —ROSEA (Rose Queen). 2½ ft. Light to dark rose, white center. Pkt., 25c

7143 LONGISSIMA. A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 50c

7144 LONGISSIMA HYBRIDS. A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are harder and more lasting. Pkt., 50c.

7190 AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. Pkt., 25c.

Anchusa

(African Forget-Me-Not)

Culture: B, D or E, Page 50

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days

7070 ITALICA, DROPMORE VARIETY. 5 ft. June-July. Gentian flowers. Pkt., 15c

7069 —LISSADELL. 6 ft. Large, Gentian-blue. 25c

7071 —FELTHAM PRIDE. Bright blue. Pkt., 25c

7073 MYOSOTIDIFLORA. 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt., 35c

Arabis (Rock Cross)

Culture: D or E, Page 50

Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days.

7195 ALPINA. 1 ft. April. Pure white. Pkt., 10c

7197 —ROSEA. 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c

7198 SNOW CAP. Shining snow white compact cushions. Pkt., 25c.



7080 **ANEMONE** St. Brigid's Strain. Pkt., 20c.

Anemone (Windflower)

Culture: B, C, D or E, Page 50

Seeds germinate in 15-20 days.

7080 CORONARIA ST. BRIGID'S STRAIN. 12 in. May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7090 PULSATILLA (PASQUE FLOWER). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Pkt., 25c.

Anthemis (Marguerite)

Culture: B, D or E, Page 50

Seeds germinate in 8 days.

7110 KELWAYI. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting. Pkt., 10c.

7112 SANCTA JOHANNIS. Brilliant yellow flowers about 1½ in. in diameter, borne singly on straight stiff leafless stems, 9 to 12 in. in length. Especially good for cutting. Pkt., 25c.

7114 TINCTORIA, PERRY'S VARIETY. 2 ft. Large lemon-yellow daisies, bloom all summer. Pkt., 25c.

Armeria (Thrift, Sea Pink)

Culture: B, D or E, Page 50

Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days.

7205 ALPINA. 3 in. July. Deep rose. Pkt., 10c.

7206 GLORY OF HOLLAND GIANT PINK. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting. Pkt., 25c.

Asclepias (Butterfly Weed)

Culture: B, D or E, Page 50

7220 TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. Pkt., 25c.

Hardy Asters

Culture: B, D or E, Page 50

DWARF ALPINES

7226 ALPINUS GOLIATH. Indispensable for the rockery or edge of hardy borders: 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 AMELIUS HYBRIDUS. New named varieties, finest mixed. Pkt., 25c.

7225 PERENNIAL, LARGE-FLOWERING MIXED. 1-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

Aubrietia

Culture: B, D or E, Page 50

One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.

7231 EYRII. Fine large blue. Pkt., 25c.

7232 GRAECA. Light blue, dwarf. Pkt., 25c.

7230 LARGE FLOWERED HYBRIDS, MIXED. A wonderfully fine strain, good range of colors. Pkt., 25c.

Baptisia

Culture: B, C, D or E, Page 50

7235 AUSTRALIS (FALSE INDIGO). Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 10c.

Boltonia (False Chamomile)

Culture: B, D or E, Page 50

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.

7250 LATUSQUAMA. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c.

7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c.



7225 **ASTER** Perennial Large Flowering Mixed. Pkt., 25c.

Campanulas

Culture: B, D or E, Page 50

This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately Pyramidalis and Persicifolia types which reach 6 feet. Seeds germinate in 8-10 days.

Canterbury Bells

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually. 36 in.

DOUBLE	SINGLE
7320 BLUE.	7300 BLUE.
7325 PINK.	7301 LILAC.
7315 WHITE.	7305 PINK.
7330 MIXED.	7295 WHITE.
	7310 MIXED.

Each of the above, pkt., 10c.

CUP AND SAUCER

7270 CALYCANTHEMA MIXED. 2 ft. June-Aug.

7285 —BLUE. 7280 —PINK.
7284 —LILAC. 7275 —WHITE.

Each of the above, pkt., 10c.



7220 **ASCLEPIAS** Tuberosa. Pkt., 25c.

Perennial Campanulas

Seed sown one year, plants will bloom the next and for several years following, increasing each year.

7260 CARPATICA (HAREBELL) BLUE. 9 in. June to Aug. Forms cup-shaped, upright blooms of a light violet-blue. Likes partial shade. Pkt., 10c.

7266 CULLINMORE. A lovely dwarf-growing species, more prolific than Carpatica. Various shades of blue flowers all summer. Pkt., 25c.

7331 GARGANICA. Beautiful star-shaped sky-blue flowers cover the trailing plants. Pkt., 15c.

7335 LACTIFLORA COERULEA. Broad-leaved. 2½-3 ft. July. Light blue. Pkt., 15c.

7344 PERSICIFOLIA (PEACH BELLS) BLUE. 2-3 ft. June-July. Fine border plant. Pkt., 25c.

7345 —ALBA. White. Pkt., 25c.

7347 —WEDGEWOOD. Large flowers of deep violet blue. Does well in full sun or partial shade. Pkt., 35c.

7350 —MIXED. Blue and white. Pkt., 25c.

7367 RAPUNCULOIDES. Spikes of loosely swung bell-blossoms. Variable coloring from soft blue to deep violet. A hedge of bloom. Pkt., 20c.

7355 PYRAMIDALIS (CHIMNEY BELLFLOWER) BLUE. 5-6 ft. August-Sept. Pkt., 10c.

7360 —ALBA. White. Pkt., 15c.

7370 VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS. A grand assortment of all varieties. Pkt., 25c.



7270 **CAMPANULA**, Medium Calycanthema Mixed. Pkt., 10c.



7401 CARNATION, Grenadin Mixed. Pkt., 25c.

Shasta Daisies

Culture: B, D or E, Page 50

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all splendid border subjects and easily grown from seeds, which germinate in 8 days.

7500 ALASKA. 2-2½ feet. Splendid for cutting. Pkt., 10c.

7464 SHASTA DAISY G. MARCONI RE-SELECTED (Double). The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2½ to 3 ft. long. Pkt., 50c

7504 GIANT DOUBLE SHASTA DAISY. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c

7462 MAXIMUM CONQUEROR. June 2½ ft. Large, pure white flowers, five inches in diameter, on long stiff stems, in profusion. Pkt., 15c

7460 MAXIMUM KING EDWARD VII. 2½ feet Very large flowers on stout stems. Pkt., 10c.



7464 SHASTA DAISY, Marconi Reselected. Pkt., 50c.

Dianthus Barbatus

Single Sweet William 18-24 in.

Culture: B, D or E, Page 50

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7670 ATRO-SANGUINEUS. Blood-red. Pkt., 10c.

7650 GIANT WHITE "SPECIAL." 1½-2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from ½ to ¾ of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c.

7659 HOMELAND. Dark red with large sharply defined, clear white center. Pkt., 35c

7660 NEWPORT PINK. Salmon-pink. Pkt., 10c

7635 SCARLET BEAUTY. Vivid orange or salmon scarlet. Pkt., 15c.

7685 SINGLE GIANT-FLOWERED MIXED. Pkt., 10c.

7688 MIDGET SINGLE MIXED. 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamis, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Pkt., 25c.

DOUBLE VARIETIES

Seedlings of all double Sweet William produce about 40% of single blooming plants

7710 GIANT DOUBLE MIXED. The plants are of robust bushy habit, producing numerous stems surmounted by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied. Pkt., 20c

7711 MIDGET DOUBLE DWARF MIXED. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c.

7712 DOUBLE DWARF DARK CRIMSON. A selection from the popular Midget Mixed. Pkt., 25c

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

NEW

EVERBLOOMING SWEET WILLIAM

7578 LATIFOLIUS ATROCCINEUS FLORE PLENO. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Pkt., 15c.

Hardy Pinks

(Dianthus)

Culture: B, D or E, Page 50

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation. Seeds germinate in 8-10 days

7576 X ALLWOODI ALPINUS. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c.

7575 ALLWOODI MIXED. 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c

7580 X CAESIUS (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c

7580A DELIGHT. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many eyed like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c

7582 X DELTOIDES BRILLIANT (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25c.

7581 KNAPPIL. A yellow "Hardy Pink", unusual color for this family. Clusters of clear golden yellow flowers above grassy green foliage. Pkt., 25c

7631 LOVELINESS. The flowers have large lacinated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt., 25c.

7587 BEST ROCK GARDEN VARIETIES MIXED. Rock gardens need the low growing Dianthus to brighten spots and fill in crevices. Pkt., 25c.

7592 WINTERI. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c

PLUMARIUS (Clove or Grass Pinks)

PLUMARIUS is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork

7605 DWARF EARLY FLOWERING MIXED. A colorful mixture, fine for Rock gardens. 1 ft. Pkt., 25c

7585 HIGHLAND HYBRIDS. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590 X CYCLOPS RED HYBRIDS (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7599 ESSEX PINK. A specialists' selection from the popular Highland Hybrids. Beautifully marked flowers in a wide color range, borne on stiff wiry stems, 15 to 20 in. long. Pkt., 25c

7620 X SEMPERFLORENS DOUBLE MIXED. Fine for cutting. Pkt., 15c

7632 SCOTICUS DOUBLE SPECIAL STRAIN. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1½ to 2 inches. Free flowering. Pkt., 35c.

7609 X SPRING BEAUTY. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7615 X SINGLE MIXED. Delicately fringed. Pkt., 10c.

7625 X VAUGHAN'S SPECIAL MIXTURE. A grand selection of Clove Pinks of the above Plumarius type and others. Pkt., 25c



7660 DIANTHUS BARBATUS, Newport Pink. Pkt., 10c.

Garden Carnations

Culture: B, D or E, Page 50

GRENADIN-20 in.

A valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they are through blooming the tops should be cut. The Grenadin type will branch and will carry on through another year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate in 10-15 days

7390 KING OF THE BLACKS. Darkest red, very fine. Pkt., 25c.

7398 GOLDEN SUN. Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7395 RED. Pkt., 25c. 7400 WHITE. Pkt., 25c.

7385 TRIUMPH ROSE. Pkt., 25c.

7399 WHITE GOLD. Soft yellow. Pkt., 25c.

7401 MIXED. Pkt., 25c.

7396 DWARF BRIGHT SCARLET. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c.

VIENNA DWARF CARNATIONS

They grow evenly about 14 inches tall, are extra-double and very large-flowering. The color display is magnificent. Flower at least 14 days earlier than others.

7415 MIXED. Pkt., 25c.

Centaurea (Hardheads, Knapweed)

Culture: B, D or E, Page 50

7428 HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Seeds germinate in 8 days. Pkt., 15c.

Coreopsis

Culture: B, D or E, Page 50

A useful and attractive perennial, both for border and cut flowers. They are of easy culture, and flower in profusion throughout the summer. Seeds germinate in 8 days.

7493 DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c

7495 LANCEOLATA GRANDIFLORA. 2 ft. June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c

7494 MAYFIELD GIANTS. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 20c.

DELPHINIUM (Perennial) See Novelties, Page 11

Doronicum (Leopard's Bane)

Culture: B, D or E, Page 50

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days. Pkt., 35c.

Euphorbia

Culture: B, D or E, Page 50

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

Gaillardias

Culture: B, D or E, Page 50

Seeds germinate in 20 days.

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2½ in., from June until fall. Blooms same year, sown early. Pkt., 25c.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7810 —MIXED. Composite flowers variegated with shades of red and yellow. Pkt., 10c.



7812 GAILLARDIA, Burgundy. Pkt., 25c.

Geum

Culture: B or C, D or E, Page 50

Seeds germinate in 10 days.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.

7854 PRINCE OF ORANGE. True rich orange on long stems. Pkt., 25c.

Gerbera (Transvaal Daisy)

Culture: D or E, Page 50

Seeds germinate in 12 days.

7846 JAMESONI HYBRIDS (FLOWERLAND STRAIN). 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.



7780 DORONICUM, Caucasicum Magnificum. Pkt., 35c.

Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 50

Seeds germinate in 12 days.

7861 MANGINI. Wide tangles of large and pretty pink and white flowers valued for misty border effects, also for adding airy grace to cut flower arrangements. Pkt., 15c.

7866 OLDHAMIANA. 3 ft. The buds are first almost white, but open a lively shade of pink that darken as the flowers mature. Pkt., 25c.

7867 PACIFICA. 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c.

7860 PANICULATA DOUBLE SNOW WHITE. 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Pkt., 25c.

7865 —(BABY'S BREATH). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 REPENS ROSEA. 6 in. Attractive pink. 15c.

7862 REPENS DWARF WHITE. Pkt., 15c.

Helianthemum

Culture: C, Page 50

7906 MUTABILE (ROCK ROSE). 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days. Pkt., 15c.



7855 GEUM, Mrs. Bradshaw. Pkt., 25c.

7768 DIGITALIS, Shirley Hybrids. Pkt., 25c.

Digitalis (Foxglove)

Culture: B, D or E, Page 50

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10-15 days.

7745 GLOXINIAEFLOA MIXED COLORS. Pkt., 10c.
7768 —THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c.

7753 EXCELSIOR MIXED. A blend of unusual shades, many of the florets are strikingly marked. The flower spikes are from 4 to 5 ft. in height and the individual florets are horizontally set around the stem, instead of the usual drooping effect so common to Digitalis. Very free flowering. Pkt., 35c.

7750 GRANDIFLORA OR AMBIGUA. 2 to 3 ft. June-July. Yellowish flowers marked with brown. A true perennial. Pkt., 10c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and other colors. Pkt., 15c.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

Culture: B or C, Page 50

7718 EXIMIA (Plumy Bleeding Heart). Dwarf; red-dish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.

Dictamnus (Gas Plant)

Culture: B or C, Page 50

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

7725 —ALBUS. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.

8259 NATIVE WILD FLOWER MIXTURE. For Sun or Shade. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt. **25c**

Hollyhocks

Culture: B, D or E, Page 50

Hollyhocks are most decorative and indispensable to the garden picture. Following Delphiniums in the border show they have a long season of bloom which can be prolonged by picking off faded flowers. A second crop will come if the first stalks are cut back. They need a well drained location. Hollyhock rust can be overcome by sowing the seed each year for flowering the next, as rust seldom attacks young plants. Seeds germinate in 8 days.

DOUBLE VARIETIES

- 8005 NEWPORT PINK.** The finest pure pink. Pkt., 10c.
8006 DOUBLE CERISE BEAUTY. 6 ft. Color a brilliant cerise, a selection from the popular Double Newport Pink. Pkt., 25c.
8003 DOUBLE ORANGE PRINCE. 6 ft. Well shaped background petals of clear yellow with rosette of blushing orange in the center. Pkt., 25c.
8008 BEGONIA FLOWERED IMPERATOR MIXED. Flowers with broad collar of frilled and fringed petals and double center rosette, many interesting combinations of colors. Pkt., 25c.
8009 DOUBLE TRIUMPH MIXED. Beautifully fringed rosette flowers in many new shades and bicolor combinations. Pkt., 15c.
8015 VAUGHAN'S PRIZE DOUBLE MIXTURE. Finest shades in perfect flowers. $\frac{1}{4}$ oz., 50c; pkt., 15c.
8016 VAUGHAN'S SPECIAL MIXTURE. Mixture of all the best double varieties with new French strains. Pkt., 25c.

SINGLE VARIETIES

More permanent and hardy than the double.

- 8055 MIXED.** $\frac{1}{4}$ oz., 30c; pkt., 10c.

ANNUAL HOLLYHOCKS—See Page 26.

Iberis (Perennial Candytuft)

Culture: A, B, D or E, Page 50

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

- 8075 GIBALTARICA.** Pinkish white. Pkt., 10c.
8080 SEMPERVIRENS. Sheet of white. Pkt., 25c.

GROW IRIS FROM SEED

Culture: A, B or C, Page 50

Seed germinates in 20-30 days.

- 8090 GIANT BEARDED.** These are the large flowered, named "Bearded" or "German" Irises of our gardens. Our seed has been saved from a fine collection of seedlings and should show a remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawnies, rose shades, copper and wine shadings. Pkt., 35c.
8089 KAEMPFERI. Special strain. Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c.
8092 SIBERIAN. This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c.
8091 DICHOTOMA (AUGUST OR VESPER IRIS). Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 20c.

For Iris plants see Index.



7943 HEUCHERA, Sanguinea New Hybrids. Pkt., 25c.



8117A LIATRIS September Glory. Pkt., 25c.

Helenium (Sneezewort)

Culture: B, D or E, Page 50

- 7890 RIVERTON GEM.** 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days. Pkt., 25c.

Helleborus

- 7917 NIGER (CHRISTMAS ROSE).** 10 in. A rare interesting perennial which blooms in winter or early spring. Flowers of white. Although a difficult subject, it is well worth the effort. Pkt., 35c.

Hemerocallis

Culture: A, B, C or D, Page 50

- 7922 PEERLESS BLEND.** A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 30-40 days. Pkt., 25c.

Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 50

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade, 2 to 3 feet. June and July.

- 7930 PURPUREA.** Lilac. Pkt., 10c.
7935 —ALBA. White. 10c.

Heuchera (Coralbells)

Culture: B, D or E, Page 50

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

- 7940 SANGUINEA.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.
7943 —NEW HYBRIDS MIXED. All shades of red and coral pink. Large and free flowering. Pkt., 25c.
7941 —SPLENDENS. Vermilion. Pkt., 25c.

Hibiscus (Rose Mallow)

Culture: B, D or E, Page 50

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

- 7947 AVALON HYBRID.** 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from bluish through pink, rose and vivid reds. Bloom until October. Pkt., 25c.
7950 GOLDEN BOWL. 3 ft. Deep cream, with a velvety maroon center. Pkt., 10c.
7946 JUMBO RED. 3 ft. A special selection made to improve color and size of the flower of the Mallow Marvels Red. Pkt., 15c.
7960 MALLOW MARVELS, MIXED. 3-5 ft. Pkt., 15c.



8171 LUPINUS Polyphyllus Russell Mixture. Pkt., 25c.

- 8430 KUDZU VINE** (Pueraria Thunbergiana). Excellent ornamental creeper. Pkt., 15c.

Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 50

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days.

- 8100 PINK BEAUTY.** Pale pink variety. Pkt., 10c.
8105 RUBRA. Bright rosy crimson. Pkt., 10c.
8110 WHITE PEARL. Large white. Pkt., 10c.
8115 MIXED. A special blending of the colors available in this fine climber. Large pkt., 15c.

Lavender (Lavandula)

Culture: B, D or E, Page 50

- 8117 MUNSTEAD STRAIN.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c.

Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 50

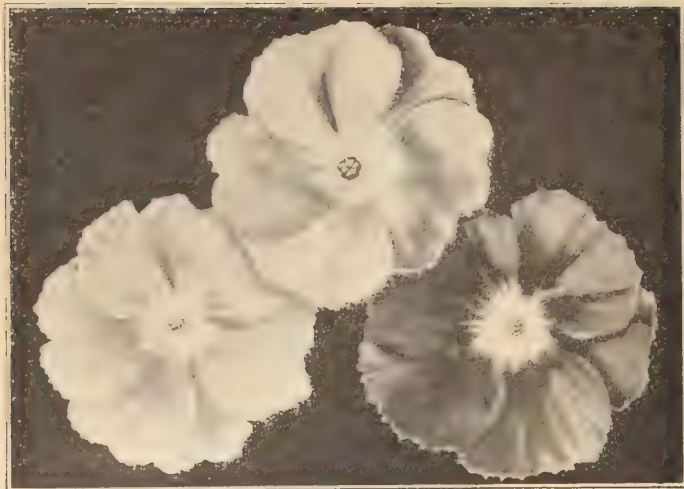
- 8117A SCARIOSA SEPTEMBER GLORY.** A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days. Pkt., 25c.

Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days.

- 8158A LONGIFLORUM PRAECOX WHITE QUEEN.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c.
8159 PHILIPPINENSE FORMOSANUM SNOW-DRIFT. Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.
8162 REGALE (THE ROYAL LILY). $3\frac{1}{2}$ ft. King of lilies of northern gardens. Trumpets glossy white, interior shows a lemon tinting and the reverse a rosy suffusion. Pkt., 15c.
8163 TENUIFOLIUM (CORAL LILY OF SIBERIA). 24 in. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt., 25c.
8164 —GOLDEN GLEAM. 24 in. Blooms are deep orange and have recurved petals of waxy texture. One of the earliest to bloom, with flowers up and down the stem. Pkt., 35c.
8161 TIGRINUM. The brilliant orange "Tiger Lily" with its striking brownish spots. A long-time garden favorite, again available. Pkt., 25c.
8164A MIXTURE OF HARDY LILIES. Includes seeds of 50 Lilium species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

For bulbs of Lilies see Index



8420 **PRIMULA** Veris Colossea Mixed. Pkt., 50c.



8313 **POPPY**, Orientale Named Varieties Mixed. Pkt., 25c.

Vaughan's Perennial Flower Seeds

Linum (Flax) 12 to 18 in.

Culture: C, Page 50

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days.

8134 LINUM COLLINUM. A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 FLAVUM. 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c.

8141 —COMPACTUM NANUM. A glowing golden yellow, blooms for months. Pkt., 25c.

8127 NARBONSE HEAVENLY BLUE. The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8125 PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

Lobelia

Culture: B, C, D or E, Page 50

8145 CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days. Pkt., 15c.

For Winter Bouquets

Culture: B, D or E, Page 50

8150 LUNARIA BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY). Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 10c.

Lupinus Polyphyllus

Culture: A, B, D or E, Page 50

Inoculate Lupin seed with Nitragin. Two garden sizes, 15c and 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 FAMOUS RUSSELL STRAIN. MIXED COLORS. These remarkable Lupins are often 3½ ft. in length. Flowers in 4 months from sowing. Pkt., 25c.

8179 VAUGHAN'S SPECIAL MIXTURE. This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c.

Lychnis

Culture: B, D or E, Page 50

Seeds germinate in 10-12 days.

8190 CHALCEDONICA (MALTESE CROSS). 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8221 LYTHRUM THE BEACON IMPROVED. 3½ ft. Spikes of carmine red flowers. Pkt., 25c.

8220 —ROSEUM SUPERBUM. 4 ft. Rose-pink. 10c.

Culture: B, D or E, Page 50

8245 MYOSOTIS PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. Pkt., 25c.

Pentstemon (Beard Tongue)

Culture: B, D or E, Page 50

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 BARBATUS. Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

Phlox Seed

8340 DECUSSATA MIXED. 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c.

8341 DIVARICATA. Blooms early May. Fragrant lavender flowers on stems 10 inches high. Prefers shade. Seed germinates slowly. Pkt., 25c.

Oriental Poppies

PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10-15 days.

8307 BEAUTY OF LIVERMERE. Finest crimson. 25c.

8303 MAHONEY. Maroon, shaded crimson. Pkt., 15c.

8309 MRS. PERRY. Delicate salmon-rose. Pkt., 25c.

8305 PRINCESS VICTORIA LOUISE. Lilac-rose. 15c.

8310 RED. Very striking color. Pkt., 10c.

8313 NAMED NEW VARIETIES MIXED. Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c.



8279 **POPPY**, Nudicaule Vaughans Special Mixture. Pkt., 25c.

Iceland Poppies

PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 50

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10-15 days.

8291 GARTFORD GIANT ART SHADES. Exceptionally large flowers in lovely pastels. Pkt., 25c.

8293 EMPEROR. 18-22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c.

8287 KELMSCOTT STRAIN. 3 ft. The best strain, large flowers in beautiful colors. Pkt., 25c.

8296 YELLOW EMPEROR. 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3½ inches on 18 in. stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c.

8281 YELLOW WONDER. Buttercup yellow flowers on stems 25 in. long, drought resisting. Pkt., 25c.

8279 VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE. We have included all the newer varieties. Pkt., 25c.

8270 XNUDICAULE MIXED. Pkt., 10c.

Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 50

8403 ACAULIS BLUE. The finest obtainable being regular and rich in color. Pkt., (100 seeds) \$1.00.

8403A AURICULA LARGE FLOWERING MIXED. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c.

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose, pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c.

Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c.

8420 —COLOSSEA MIXED. The large heads of flowers are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 50c.

8421 —LUTEA. Yellow. Pkt., 25c.

8416 —GRANDIFLORA MIXED. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c.

8418 —GIANT BOUQUET MIXED. Large flowered, strong stems, excellent mixture. Pkt., 25c.

8423A —MONARCH STRAIN. Undoubtedly the finest of all strains. Pkt., 25c.

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. Pkt., 25c.



8416 PRIMULA, Veris Grandiflora. Pkt., 35c.

Physalis Franchetti

Culture: B, D or E, Page 50

8345 CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 10c.

Platycodon (Chinese Bell Flower)

Culture: B, D or E, Page 50

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September.

- 8360 GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. Pkt., 10c.
- 8365 —ALBUM. White. Pkt., 15c.
- 8370 MARISSII BLUE. 1 ft. Deep blue dwarf. Pkt., 10c.
- 8375 —ALBA. White. Pkt., 25c.

8353 PHYSOSTEGIA SUMMER SNOW. The flowers are a glistening pure white. Resembles the medium tall Rosy Spire in height and form. Handsome plants for sunny border, admirably suited for cutting. Pkt., 25c.

Polemonium (Jacob's Ladder)

Culture: B, D or E, Page 50

8380 COERULEUM (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like. Pkt., 15c.

8430 PUERARIA THUNBERGIANA (Kudzu Vine). An excellent ornamental creeper. Pkt., 15c.

Pyrethrum Roseum (Painted Daisy)

Culture: B, D or E, Page 50

Their large flowers, well-named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days. 1 to 2 ft.

- 8433 DOUBLE MIXED. Pkt., 35c.
 - 8444 DOUBLE RED. Pkt., 50c.
 - 8445 —PINK. Pkt., 50c.
 - 8448 —WHITE. Pkt., 50c.
- A certain per cent of the above will be single.
- 8441 SINGLE ATRO-SANGUINEUM. Blood-red. Pkt., 25c.
 - 8443 —ROSEUM. Rose. Pkt., 25c.
 - 8440 GRANDIFLORUM SINGLE MIXED. Pkt., 15c.
 - 8438 ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range. Pkt., 25c.
 - 8438A ROBINSON'S CRIMSON. The best red. Pkt., 25c.

PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals

- 8600 DWARF. 6 to 15 in. 8601 MEDIUM. 18 to 36 in.
- 8602 TALL SORTS MIXED. 3 ft. and upwards. Each of above, per pkt., 25c; 3 pkts for 65c.

Ranunculus

8451 ASIATICUS. The semi-double to double flowers range from straw to gold, orange, scarlet, crimson with pink tones. Can be planted in garden in earliest spring. Seeds germinate in 15-20 days. Pkt., 25c.

Rose

Culture: B, D or E, Page 50

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high. Pkt., 25c.



8438 PYRETHRUM, Robinson's Giant Hybrids Mixed. Pkt., 25c.

Rudbeckia (Cone Flower)

Culture: B, D or E, Page 50

Seeds germinate in 20-30 days.

- 8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Pkt., 15c.
- 8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c.

Salvia

Culture: B, D or E, Page 50

8480 PATENS. 2 ft. Large, rich deep blue flowers. Roots can be wintered in cellar. Seeds germinate in 15 days. Sept. Pkt., 25c.

Scabiosa

Culture: B, D or E, Page 50

- 8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.
- 8491 —ALBA. Pure white comes true. Pkt., 25c.
- 8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c.
- 8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.
- 8496A —GOLDINGENSIS. Large flowers, waved petals, small center, deep lavender. Pkt., 25c.

Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 15c.

Stokesia (Stokes' Aster)

Culture: B, D or E, Page 50

Large flowers, resembling a single Aster. Seeds germinate in 20 days.

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.

Thalictrum (Meadow Rue)

Culture: B, D or E, Page 50

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM. (FEATHERED COLUMN-BINE) Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 25c.

8545 DIPTEROCARPUM. 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. Pkt., 25c.

Thermopsis

Culture: B, D or E, Page 50

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days. Pkt., 25c.

Tritoma (Red Hot Poker)

Culture: B, D or E, Page 50

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems.

8558 PFITZER'S HYBRIDS. Orange scarlet. Pkt., 15c.

8550 TRADESCANTIA MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c.

8554 TROLLIUS CHOICEST MIXED VARIETIES. Pkt., 25c.

8561 VALERIANA (GARDEN HELIOTROPE) MIXED. Pkt., 10c.

Tall, Hardy Verbena

Culture: B, D or E, Page 50

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet scented rosy lavender flowers on long stiff stems. Pkt., 15c.

Veronica (Speedwell)

Culture: B, D or E, Page 50

Hardy, herbaceous perennials varying in height from a few inches to 3 or 4 ft., and bearing blue or white flowers in terminal spikes or racemes. Seeds germinate in 15-20 days.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c.

8571 DWARF SORTS MIXED. Pkt., 15c.



8494A SCABIOSA, Caucasica Vaughan's Special Mixture. Pkt., 25c.

Home Greenhouse and House Plants from Seed



1087 **BEGONIA** Masterpiece. Pkt., 50c.

Abutilon

- 120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER).** + 3 to 4 ft. As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

Agapanthus ÷

Culture: C, B, D or E., Page 50

- 175 UMBELLATUS (BLUE LILY OF THE NILE).** 1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. House plant in the North. Pkt., 15c.

Antirrhinum

SNAPDRAGON ① ÷

For Greenhouse Forcing.

Culture: D or E, Page 50

BRONZE

- 362 AFTERGLOW.** Golden bronze
394 LADY DOROTHY. Glowing reddish bronze.
399C SUNLIGHT. Finest early golden bronze.

LAVENDER

- 406 SCHUMANN'S LAVENDER.** Rosy-lavender.
416 WINDMILLER'S LILAC. Orchid.

RED

- 407 SHISLER'S RED.** Glowing wine-red.
414 VELVET BEAUTY. Rich American Beauty crimson.

ROSE AND PINK SHADES

- 363 BETTER TIMES.** A true American Beauty rose-red.
375 CHEVIOT MAID SUPREME. Deep rose pink.
377 CHRISTINA. Medium-light pink.
378 CHRISTMAS CHEER. The earliest rose-pink.
395C MARIE LOUISE. Shell pink.
396 MAIDEN'S BLUSH IMPROVED. Appleblossom pink with white tube.
398 MARYLAND PINK. Light pastel pink.
408A ROSE QUEEN. Dark pink.

WHITE

- 397 MARGARET.** Ivory white.
415 WHITE WONDER IMPROVED. Pure white.

YELLOW

- 380 ETHEL.** Bright yellow
387 GOLD RUSH. Deep Jonquil yellow.
EACH OF THE ABOVE. Pkt., 75c
426 VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES. A formula mixture of forcing varieties, including the popular pink shades. Pkt., 75c.

Asparagus ÷

Culture: C. Pot up in Fall, force in greenhouse. Page 50

- 480 PLUMOSUS NANUS.** + 3 ft. Pkt., 40 seeds, 35c.
485 SPRENGERI. + Finest material for hanging baskets. Pkt., 40 seeds, 35c

Begonias

TUBEROUS ROOTED

Culture: D or E, Page 50

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days.

For Bulbs of Begonia Tuberous rooted see index on final pages.

- 1103 DOUBLE MIXED.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

- 1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE.** Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed. Pkt., \$1.00.

FIBROUS-ROOTED EVER-BLOOMING

Culture: B, C, D or E, Page 50

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

- 1071 CHRISTMAS CHEER RED.** The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

- 1096 GLOWING FIRE.** The flowers are large intense scarlet red and cover the dwarf uniform plants. Pkt., 50c.

1073 SNOWBANK. The finest dwarf white. Large flowers of purest white, freely produced on plants that are compact and uniform in growth. Foliage is a bright clear green. Pkt., 50c.

- 1075 GRACILIS ADELIN.** (Improved Darling). Very dwarf habit bright pink flowers and green foliage, very attractive. Pkt., 35c.

- 1082 —INDIAN MAID.** 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt., 25c.

- 1084 SEMPERFLORENS ILE DE FRANCE.** The flowers are 1 1/4 inches to 1 1/2 inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

- 1085 —KING OF THE REDS.** Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

- 1087I —MASTERPIECE.** Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 50c.

- 1090 VAUGHAN'S SPECIAL MIXED.** Finely balanced blend of full color range. Pkt., 25c.

- 1097 VAUGHAN'S DEEP ROSE.** A rich deep rose red which gradually fades to a luminous pink. A strong vigorous strain, branching early if pinched back. Pkt., 50c.

Browallia

- 1155 SPECIOSA MAJOR.** Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

- 1179 HYBRIDA MULTIFLORA NANA MIXED.** The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00.

- 1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN.** A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

Exacum

- 2445 AFFINE.** An easily grown pot plant with sweetly scented flowers of bright mauve. Pkt., 35c

Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 50

- 1715 VAUGHAN'S COLUMBIAN MIXTURE.** A mixture of the finest strains; the flowers from 7 inches in circumference, brilliant colors. Pkt. seeds, 25c.

- 1716 CREMER'S PRIZE MIXTURE.** The petals of most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. Plants can be finished in smaller pots, too, making shapely specimens covered with masses of bloom. Pkt., 50c.

- 1723 SITER'S RAINBOW STRAIN.** Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth, with little leaves. Early to bloom. Pkt., 50c.

Coleus

Culture: D or E, Page 50

Decorative plants with foliage of brilliant various colors, many having fantastic markings. Plant in sun for complete development of color. Pinch out growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

- 1855 VAUGHAN'S RAINBOW MIXTURE.** 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

- 1864 GLORY.** 1-2 ft. A mixture of bronze, purple, apricot, cream, etc. A remarkably fine strain; equalled for the beautiful form and coloring of large leaves. Pkt., 50c.

- 1857 LARGE LEAVED MIXED.** Pkt., 35c

Cyclamen

PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 50

- 2005 BONFIRE.** Brilliant salmon.

- 2006 DARK SALMON.**

- 2007 LIGHT SALMON.**

- 2008 PURE WHITE.**

- 2009 VICTORIA IMPROVED.** Fringed bright mon.

EACH OF THE ABOVE, 10 seeds 25c; 25 seeds 60c

- 2010 MIXED.** Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. 10 seeds, 25c; 5 seeds, 60c.

Fuchsia

- 2460 DOUBLE AND SINGLE MIXED.** From a choice collection of plants, including Storm King and others. Pkt., 35c.



2445 **EXACUM** Affine. Pkt., 35c.



1184 CALCEOLARIA Hybrida Triumph Pkt., \$1.00.



1716 CINERARIA Cremer's Prize Mixture. Pkt., 50c.



2560 GLOXINIA Vaughan's International Mixture. Pkt., 25c.



4477 PRIMULA Malacoides Mixture. Pkt., 35c.

Home Greenhouse and House Plants from Seed

Gloxinia +

Culture: D or E, Page 50

1560 VAUGHAN'S INTERNATIONAL MIXTURE. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c.

2846 HOUSE PLANTS MIXED. A mixture of the following: Begonia, Calceolaria, Cineraria, Schizanthus, Primula Malacoides, and Obconica Mixed. Pkt., 50c.

Impatiens

Culture: A or B, D or E, Page 50

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days.

2890 DWARF FIERY SCARLET. The flowers are a fiery scarlet red, larger than other sorts, reaching 2 inches in diameter and freely produced. Of low spreading habit, it is an excellent variety for pots and well suited to the shady border in the garden. Pkt., 50c.

1875 HOLSTII. 1 1/2 ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c.

1880 HOLSTII HYBRIDS. Range from pink through red shades to purplish-violet. Pkt., 25c.

1881 SULTANI. Bright rose. Pkt., 25c.

1882 SULTANI HYBRIDS. Colors range from pale pink to dark crimson. Pkt., 25c.

1884 SULTANI NANA CARMINE. Compact and free flowering. Pkt., 50c.

1883 SULTANI NANA DWARF MIXED. Flowers continuously in many shades. Pkt., 50c.

Irish Shamrock

761 This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's day. A species of clover. Pkt., 15c.

Kalanchoe

Culture: D, C or E, Page 50

915 HYBRIDA BRILLIANT STAR. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c.

916 YELLOW DARLING. Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c.

Pansy □

Culture: A, B or C, Page 50

1841 VAUGHAN'S LONG STEMMED WINTER FLOWERING RE-SELECTED MIXED. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2 1/2 to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c.

Primula ÷

Culture: D, C or E, Page 50

4465 CHINESE VAUGHAN'S INTERNATIONAL MIXTURE. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt. (100 seeds), 75c.

PRIMULA—VARIOUS SORTS

Culture: C (May-July). Pot up July-Sept., Page 50

NEW GIANT MALACOIDES—16 IN.

4471 TRUE ROSE. A true rich pink. Pkt. (about 100 seeds), 35c.

4477 MALACOIDES MIXED. Flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., (50 seeds), 35c.

PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan.-April); C (May-July) Winter in greenhouse. Germination 3-4 weeks. Page 50

4486 AVALANCHE. Pure white. Pkt., 50c.

4487 FASBENDER RED. Large rich deep red. Pkt., (200 seeds), 50c.

4489 SKY BLUE. Extra large flowers. Pkt., 50c.

4495 OBCONICA GRANDIFLORA MIXED. Good mixture. Pkt., (200 seeds), 25c.

4496 GIGANTEA WYASTON WONDER. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c.

Streptocarpus

(CAPE PRIMROSE)

Flowers attain a diameter of 2 inches and over. Borne on long wiry stems, they last long when cut. An excellent pot plant for winter blooming.

4990 MIXED. A blend of rich colored sorts from prize varieties. Pkt., 50c.

Tigridia

5641 MIXED (SHELL FLOWER OF MEXICO). Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c.



KALANCHOE Yellow Darling

African Violets

SAINTPAULIAS

Interesting and attractive house plants with a long season of bloom; the leaves of which form a cushion from which arise the bright violet-like flowers

4587 IONANTHA GRANDIFLORA. Large lark blue flowers, freely produced, as many as 25 blossoms or more on a plant at one time. Small velvety green leaf. Pkt., 50c.

4588 BLUE FAIRY TALE. Extra large flowers of ultramarine blue with bright yellow eye coming 100% true from seed. Very free flowering; strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across, with good culture, in 10 to 12 months. Pkt., 50c.

4589 NEW HYBRIDS. Flowers in varied shades of blue; the plants dwarf, bushy and compact with leaves of dark green. Pkt., 50c.

Schizanthus

POORMAN'S ORCHID

Culture: A or B, D or E, Page 50

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days.

4756 MONARCH STRAIN. This is the brightest mixture of rose and appleblossom pink, salmon, crimson, deep violet purple and many indescribable variations which make this a riot of color. All are heavily veined in gold. Pkt., 25c.

4753 VAUGHAN'S DWARF "MASTERPIECE." The plants grow dwarf and compact, making them most suitable for pot plants. The color range of the flowers, which are of good size, is the most varied ranging from light pink and rose to a pleasing dark violet, all with conspicuous blotches. Pkt., 50c.

Solanum

Culture: D, C or E Page 50

4774 CHRISTMAS CHERRY IMPROVED. Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.

Stocks

NON-BRANCHING COLUMN

These produce one stem, 2 1/2 ft. high, thickly set with large double flowers.

4963 DEEP APRICOT. A rich warm buff with a taint tinge of pink. Pkt., 50c.

4952 GARDENIA. Shimmering, glistening white, the flowers are the purest snow white. Pkt., 50c.

4970 PINK GIANT. A rich rose pink, the center of the flower being slightly lighter. The large florets are closely set on long stems. Pkt., 50c.

4973 WHITE GIANT. Pure white without trace of green in the flowers, which are closely set on long stems. Pkt., 50c.

4954 PURPLE HEART. Bright violet purple. Pkt., 50c.

4956 SILVERY LILAC. Lilac lavender. Pkt., 50c.

4958 MIXED. A specially prepared formula which includes the above and others. Pkt., 50c.



FIRMING THE SOIL



MARKING THE ROWS
SOWING SEEDS IN THE INDOOR BOX



SOWING THE SEED



COVERING THE SEED

Flower Seed Cultures—How to Sow

IN FIVE paragraphs below, designated A, B, C, D and E, we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

A Sow in the bed, border or row where the plants are to grow. The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

B Sow in outdoor seed bed, to be transplanted. The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

C Sow in flat, pot or pan outdoors or in a cold frame. This method is applicable to slow germinating subjects; some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D." firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out.

While our cultural instructions are definite, detailed and excepted thorough, they should be supplemented by reading in good garden books and by obtaining, at first hand, advice from successful gardeners in your neighborhood. Success in gardening requires skill and the opportunity for enlarging one's information and trying new things is one of the most fascinating features of gardening.

A mulch of peat moss will help retain moisture. In winter, place protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss is on soil surface, sprinkle fresh earth over top.

D Sow indoors in a box, pot or pan. This method may be followed where there is a window facing south, enjoying the light most of the day. Use a standard florists' pot or (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half peat and half black loam. It may be obtained from florists. Firm the soil and sow the seeds in rows, marking each row to identify the soil. Water by setting the box or pot in water, so that it soaks up water below, or use a fine spray which does not wash the soil. Place in a place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on the glass, wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart, or they may be moved to small pots or to an outdoor seed bed or border.

E Sow in a hotbed or cold frame. A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny days, always prop up one end of the sash to prevent overheating, which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way to the soil in the hotbed, or to an outdoor location, if late enough.

BETTER HOMES & GARDENS GARDEN BOOK. Edited by Fleeta Brownell Woodroffe. Now, you can get down-to-earth on all phases of gardening, landscaping, and lawn care, from Better Homes & Gardens editors. You'll see how to use every square foot of space for beauty and privacy, how to grow beautiful flowers, prizewinning fruits and vegetables, how to make your lawn velvety green. Everything in the new Garden Book is clearly explained in pictures and everyday language. Written for the beginner and experienced gardener alike. Easy-to-follow, step-by-step directions tell you what to do and when to do it. Lavishly illustrated in full color. 520 pages, 1,500 photos, charts, drawings. Chapters tab indexed for quick reference. Convenient loose-leaf ring binder. A new idea in garden books. \$3.95.

10,000 GARDEN QUESTIONS. F. F. Rockwell, editor. Answered by 15 experts. Real questions from real amateurs, with brief, authoritative answers. Among them you will find the solutions to your problems. . . . Helpful diagrams and illustrations supplement the text. . . . A quick-action index places all the information at your finger tips. 1467 pages. Hundreds of specially drawn illustrations. \$4.95.

GARDENING BOOKS

BOOK PRICES ARE NOT PREPAID. ADD 15 CENTS PER COPY IF YOUR ORDER IS TO GO BY PARCEL POST.

HOW TO GROW ROSES. By Horace McFarland, L.H.D. and Robert Pyle. This is a book which has become through the years a stand-by for amateur and experienced rose growers. It is the result of the authors' rich and real experience in growing roses. Lavishly illustrated with many color photographs, its concise and practical advance answers every question about location of rose beds, soil preparation, fertilization, selection of varieties, blooming habits. There are also chapters on how to fight pests, protect roses in summer and winter, hybridizing, methods, and how to select varieties for your particular locality. 192 pages illustrated. \$2.49.

HOW TO LANDSCAPE YOUR GROUNDS. By Loyal R. Johnson. For the benefit of the hundreds of thousands of home builders and owners in the medium income bracket who are anxious to beautify their home surroundings to the best advantage at small expense. Not to be found in any other landscape book are its planting plans covering practically every section. 232 pages, 147 illustrations. \$3.50.

THE COMPLETE BOOK OF GARDEN MAGIC. By Roy E. Biles. Whatever your interest in gardening, there is vital, helpful, practical information for you in The Complete Book of Garden Magic. It tells you the right way, the best way to get the most out of everything from the simplest plant to a complete outdoor garden. Beautifully home. Enrich your leisure hours. Win the admiration of your friends and neighbors with kind of garden that this valuable book gives you. This brand new big edition of the Complete Book of Garden Magic makes it easy. Here is the gardening experience of twenty-five years put between the covers of one book. Twenty chapters lavishly illustrated—completely in color to help you find the exact information you need right away. 334 pages. \$3.95.

ALL ABOUT HOUSE PLANTS. By Monty Free. At last—the complete, practical, real book of indoor gardening! Full information on what to grow and how to grow it—in 20 chapters that cover window boxes, bottle gardens, terrariums, submerged gardens, soils, pots, fertilizers, tables, watering, light, temperature, humidity, ventilation, pruning, training, propagation, pests, etc. Indexed. 329 pages. 27 full color illustrations and over 65 line drawings. \$3.50.

Plants of Perennial Flowers



DICENTRA Spectabilis

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Kalamazoo, Mich.

Prices on this page do not include postage. For 12 plants or less include in your remittance postage in the following amounts. Single plants, 12c; 3 plants 16c; 6 plants, 20c; 12 plants, 25c. Shipments larger than 12 plants will be made by express collect, unless otherwise instructed. Check your order carefully before mailing. It is almost impossible to make changes on orders after they have been placed in process of filling.

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We recommend this mode of transit where quantities are 12 plants or over. We pack carefully.

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Please remember that a plant is a living organism, it feeds, drinks and breathes and must be cared for accordingly.

Aubrietia

ROYAL HYBRIDS. A fine color range. Trailing habit. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Centaurea

(Hardheads, Knapweed)

HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Plants, (mixed only) each, 50c; 3 for \$1.25; doz., \$4.25.

Campanulas

CANTERBURY BELLS

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually.

SINGLE
LILAC.
WHITE.

BLUE.
PINK.
MIXED.

Plants, mixed shades each, 50c; 3 for \$1.25; doz., \$4.25.



AQUILEGIA Vaughan's Special Mixture

Garden Carnations

CRIMSON KING. 2 ft. Closely resembling a greenhouse Carnation in size and habit of growth. Large, fragrant, bright crimson blooms of velvet texture borne in profusion in June and continuing until frost. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

BEATRICE. Everblooming, cluster flowered. Warm salmon pink flower clusters measure 3 to 4 inches across, giving the impression of one huge flower. They are fragrant, and are produced intermittently from June until frost. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

SILVERMINE. Finest all-double white. Often as many as eight in one cluster. Flowers intermittently all summer long. Wonderfully fragrant. Excellent for cutting. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

COLLECTION. One each of the above 3 varieties for \$1.50.

GRENADIN-20 in.

MIXED. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Coreopsis

DOUBLE SUNBURST. The flowers are double, 1½ to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Columbine

(Aquilegia)

AQUILEGIA VAUGHAN'S SPECIAL MIXTURE. A complete collection including the long-spurred, and non-spurred, tall and dwarf types. Plants, Mixed only, each 50c; 3 for \$1.25; doz., \$4.25.

LONG-SPURRED CRIMSON STAR. The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white. Three-inch flowers on 2-foot stems. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Dictamnus (Gas Plant)

FRAXINELLA. 3 ft. May-June Large spikes of deep pink purple-veined flowers. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Dicentra (Dielytra)

(Bleeding Heart or Seal Flower)

SPECTABILIS. Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border especially in the shade. Plants, each, \$1.00; 3 for \$2.65; doz., \$7.25.



DIANTHUS Vaughan's Special Mixed

Vaughan's Seed Company 51

Plants of Perennial Flowers

Flowers

Anchusa

(African Forget-Me-Not)

TALICA, DROP-MORE VARIETY. 5 ft. June-July. Gentian flowers. Plants, each 60c; 3 for \$1.50; doz., \$4.75.

Anemone

(Windflower)

PULSATILLA (PASQUE FLOWER). 1 ft. Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Arabis (Rock Cress)

ALPINA. 1 ft. April. Pure white. Plants, 50c each; 3 for \$1.25; doz., \$4.25.

Artemisia

SILVER KING. 3 ft. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants for its slender ghost-like appearance. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Hardy Asters

BEECHWOOD CHALLENGER. 2½ ft. Darkest red of all.

MARRINGTON'S PINK. First true pink Hardy Aster. Large flowers of luminous true pink.

ROYAL BLUE. A deep blue. Produces myriads of large, showy flowers.

WHITE LADY. Large, graceful white flowers in profusion.

All above 60c each; 3 for \$1.50; doz., \$4.75.

COLLECTION. One of each of the above four varieties, \$2.00.

FACE. 3½ ft. Bears pinkish lavender semi-double flowers fully 2 inches across. They are produced in immense quantities and are excellent for cutting as well as produce a magnificent effect in the garden from early September until late October.

LENTY. 3½ ft. Lovely soft blue flowers are semi-double and 2 inches in diameter, produced in immense quantities. It commences to bloom in early September and lasts well into October. Exceptionally fine for cutting.

PROSPERITY. 3½ ft. Large, deep, rosy pink flowers in masses appear in early September and lasts well into October. This is one of the finest of the pink Nov-Belgi.

Plants of above three, each, 75c; 3 for \$1.95; doz., \$5.75.

Asclepias

(Butterfly Weed)

TUBEROSA. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Hardy Delphiniums

PACIFIC GIANTS

- BLUE BIRD.** A clear medium blue with white bee with high tall spikes.
- BLACK KNIGHT.** Large flowers of varying dark violet shade.
- BLUE JAY.** From medium to dark blue with dark bee.
- CAMELIARD SERIES.** This is a pure lavender shade with white bee.
- GALAHAD.** Clear white, highly mildew resistant.
- KING ARTHUR.** Royal violet, large white bee.
- MERCIVAL.** The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.
- GUINEVERE.** Light pink lavender with white bee.
- SUMMER SKIES.** Light blue with white bee.
- ROUND TABLE SERIES.** As the name implies this represents all of the color combinations of the above. Strong 1 yr. plants. Price on above 10 varieties each, 75c; 3 for \$1.95; Doz. \$5.75.

BLUE JAY	GALAHAD
GUINEVERE	SUMMER SKIES
KING ARTHUR	

Collection No. 52B, one plant each of 5 varieties above. \$3.25.

- BELLADONNA IMPROVED CLIVEN BEAUTY.** 2 ft. June-July. Exquisite turquoise blue. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.
- BELLAMOSUM IMPROVED.** Large deep blue flowers, uniform in color, with a white bee. Blooms 2½ inches across. Plants, each 50c; 3 for \$1.25; doz., \$4.25.
- WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED.** Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1½ to 2 inches in diameter, many double. Plants, each 50c; 3 for \$1.25; doz., \$4.25.

Dianthus Barbatus

- MIDGET SINGLE MIXED.** 3-4 in. Alpine Sweet William, uniform habit. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms tri-colored. Plants, mixed only, each, 50c; 3 for \$1.25; doz., \$4.25.

- New Everblooming Sweet William**
- LATIFOLIUS ATROCOCCINEUS FLORA PLENA.** A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

- PLUMARIUS (Clove or Grass Pinks)**
- SPRING BEAUTY.** Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.
- VAUGHAN'S SPECIAL DOUBLE MIXTURE.** A grand selection of Clove Pinks of the above Plumarius type and others. Plants, each, 45c; 3 for \$1.15; doz., \$3.75.

Digitalis

- THE SHIRLEY HYBRIDS.** 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Funkia (Hosta, Day Lily)

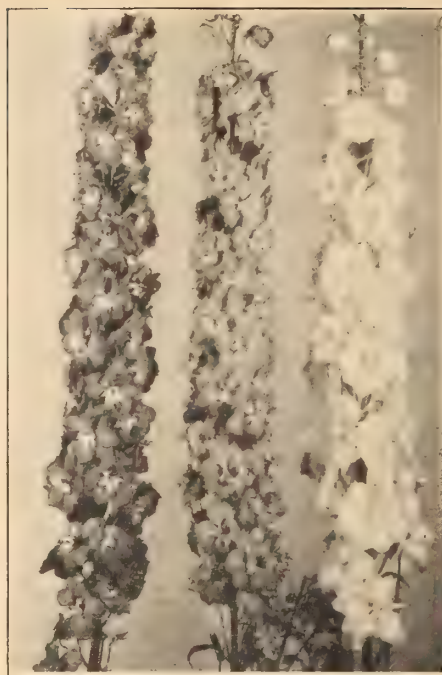
- SUBCORDATA GRANDIFLORA.** Flowers white, large green leaves. One of the best perennials for shade. Plants, each, 75c; 3 for \$2.00; doz., \$6.25.
- VARIEGATA.** Most attractive variegated border plant. Well adapted to the shade. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Gypsophila (Baby's Breath)

- PACIFICA.** 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Plants, each, 65c; 3 for \$1.75; doz., \$5.50.

PANICULATA BRISTOL FAIRY (DOUBLE BABY'S BREATH) Early double pure white large flowering perennial Baby's Breath. Produces a second crop of spikes. Plants, each, 75c; 3 for \$2.00; doz., \$6.25.

- PANICULATA DOUBLE SNOW WHITE.** 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Plants, each, 75c; 3 for \$2.00; doz., \$6.25.



DELPHINIUM Pacific Giants

Gaillardias

- BURGUNDY.** 2 ft. Shining wine-red flowers, 2½ in. from June until fall. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.
- DAZZLER.** Large golden yellow flowers with rich maroon center. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.
- GOBLIN.** 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.
- PORTOLA HYBRIDS.** 2½-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Helianthemum

- MUTABILE (ROCK ROSE).** 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.



Heuchera (Coral Bell)

SANGUINEA. 2 ft. July-Aug. Long stems of crimson-scarlet flowers. Plants, each, 60c; \$1.50; doz., \$4.75.

HEUCHERA (CORAL BELL) ROSEA

Plants have rosette-like clumps of attractive foliage from which dainty stems arise to a height of 18 inches. Small bell-like flowers from peduncles at the upper part of the stem. Very dainty and attractive in beds or when cut. We offer the ROSEA variety which has a beautiful deep pink color.

Field Grown, Transplanted Plants Only. Each, 60c; 3 for \$1.50; doz., \$4.75.

New Hemerocallis

- LINDA.** Pastel bi-color of pale yellow and cinnamon with crinkled petals, 38 in. stems. July. Each, \$1.00; 3 for \$2.65; Doz., \$7.25.
- MIKADO.** Orange with spot of mahogany red or petal June to August. 36 in. stems. Each, 75c; \$1.95; doz., \$5.75.
- SERENADE.** A subtle pastel combination of yellow and pink with petals that are twisted and crinkled. Blooms June and July. Height 4 to 5 ft. \$1.00, 3 for \$2.65. Doz., \$7.25.
- SIR MICHAEL FOSTER.** 4 ft. Large ruffled, fringed flowers of clear yellow without a mark of any color. June, July. Plants, each, 75c; 3 for \$1.95; doz., \$5.75.
- COLLECTION:** One each of the above 4 varieties, \$3.00.

IMPROVED HEMEROCALLIS

- HYPERION.** The finest Citron yellow available. Lightly fragrant. 40 in. Blooming July. Each, \$1.00; 3 for \$2.65; doz., \$7.25.
- IMPERATOR.** Star Shaped blooms of orange red with sulphur, 40 in. Blooming July and August. Each, 60c; 3 for \$1.50; doz., \$4.75.
- KWANZO FLORA PLENA.** Large, double rich bronze blooms. A really unique variety. 36 inches. Blooms July and August. Each, 60c; 3 for \$1.50; Doz., \$4.75.
- MODESTY.** Large flowering pale yellow, 30 in. and July. Each, 75c; 3 for \$1.95; doz., \$5.75.
- OPHIR.** 50 in. Deep golden yellow trumpet shaped flowers 5 inches across, borne 25 to 30 to a plant. Plants, each, 75c; 3 for \$1.95; doz., \$5.75.
- SOVEREIGN.** 30 in. Received an Award of Merit from the Royal Horticultural Society. Fine deep yellow. Plants, each 60c; 3 for \$1.50; doz., \$4.75.
- COLLECTION:** One each of the above 6, \$3.00.

Hibiscus (Rose Mallow)

- AVALON HYBRID.** 3 ft. A new hybrid strain. Plants mostly of bell shape, and vary from white through pink, rose and vivid reds. Bloom from October. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.
- JUMBO RED.** 3 ft. A special selection made to prove color and size of the flower of the Marvels Red. Plants, each, 55c; 3 for \$1.35; doz., \$4.50.
- MALLOW MARVELS, MIXED.** 3-5 ft. Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Hollyhocks

- VAUGHAN'S SPECIAL MIXTURE.** Mixture of the best double varieties with new French strains.
- | | |
|----------------------|---------------------|
| Double Yellow | Double Scarlet |
| Double Lilac | Db. Colorado Sunset |
| Double Pink | Imperator Supreme |
| Double Orange Prince | |
- MIXED COLORS.** Each, 45c; 3 for \$1.15; doz., \$3.75.

Iberis (Perennial Candytuft)

- GIBALTARICA.** Pinkish white. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Lavender (Lavendula)

- MUNSTEAD STRAIN.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Plants, each, 60c; 3 for \$1.50; doz., \$4.75.

Lathyrus Latifolius (Hardy Sweet Pea)

- WHITE PEARL.** Large white. Plants, mixed, each, 60c; 3 for \$1.25; doz., \$4.25.

Liatris (Kansas Gay Feather)

- SCARIOSEA SEPTEMBER GLORY.** A giant variety, spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time, creating a marvelous effect. Plants, each, 75c; \$1.95; doz., \$5.75.

Linum (Flax) 12 to 18 in.

PERENNE BLUE. 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.

Lobelia

CARDINALIS (CARDINAL FLOWER). 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

Myosotis

PALUSTRIS SEMPERFLORENS. True marsh forget-me-not blooming from spring until autumn. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.

Pachysandra

TERMINALIS. A trailing plant 6 in. to 8 in. high. Bright glossy green foliage. Ideal ground cover for the shady spot. 3 for \$1.20; 10 for \$3.50; 100, \$25.00.

Physalis Franchetti

CHINESE LANTERN PLANT. 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.

Platycodon

(Chinese Bell Flower)

GRANDIFLORUM. 2-3 ft. Large handsome deep blue flowers. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.

Polygonatum

MULTIFLORUM. (Solomon's Seal). Pendant sprays of white flowers on 2 foot stems. Thrives in deep shade. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.

Poterium

OBTUSUM. (Japanese Barbet) 3 ft. July-Sept. A rare hardy perennial; has graceful pinnate foliage and crimson flowers two inches long. Very ornamental and fine for cutting. Heavy pot plants, each, \$1.25; 3 for \$3.00.

Phlox Plants

We offer varieties of Phlox which have proved to be long-lived and resistant to disease, in a representative range of colors.

AFRICA.—Lustrous deep carmine red with darker eye.

BLUE BOY.—Near blue color with violet cast.

DAILY SKETCH. Large flowers of light salmon pink with carmine eye.

FAIRY KING.—Large rounded heads of soft lavender. Resistant to disease.

FLASH. Rich dark red with orange-scarlet center.

IRENE. One of the best easy growing cherry red phlox. Medium height with bronzy green foliage.

LEO SCHLAGETER. One of the brightest of all red Phlox.

LILIAN. Salmon pink with lavender and white shadings.

PINK CHARM. Bright pink with scarlet sheen.

THOR. Deep salmon-pink with an unusual scarlet overtone. Nicely shaped trusses on strong stems.

On all the above, 60c each; 3 for \$1.50; doz., \$4.75

COLLECTION NO. 53.

One each of the ten varieties above, \$4.50.

SPECIAL VARIETIES OF PHLOX

CHARLES CURTIS. Brilliant cherry red. Very showy.

MARY LOUISE. New white—large flower heads.

PROGRESS. Blue with a white eye.

SALMON BEAUTY. Rich salmon pink with white eye.

On all the above four, 75c each; 3 for \$2.00; doz., \$6.25.

COLLECTION NO. 53A.

One each of the four above, \$2.50.

PHLOX SUBULATA

(DWARF CREEPING PHLOX)

One of the best rock garden plants. Strong grower with a creeping habit. Multiplies very rapidly.

LILACINA. Pale lilac lavender.

ATRO-PURPUREA. Dark purple.

Plants of above, 60c each; 3 for \$1.50; doz., \$4.75.

Pyrethrum Roseum

(Painted Daisy)

ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range.

Plants, each, 50c; 3 for \$1.25; doz., \$4.25.

Plants for Your Herb Garden

The following Herb Plants will be sold only in multiples of three or ten or more of a kind.

Plants in small lots are shipped by parcel post, but in lots of 10 or more are shipped by express at buyer's expense.

No C.O.D. shipments can be made of any of these items

PERENNIAL HERBS

Applemint	Mint Pineapple
Bergamot	Oregano
Camphor Balm	Pennyroyal
Catnip	Peppermint
Chives	Rosemary
Comfrey	Rue
Costmary	Sage Officialis
Garlic Oriental	Sage Mammoth
Germander	Savory Winter
Horehound	Skirret
Hyssop Blue	Sorrel
Hyssop Pink	Southernwood
Hyssop White	Regular
Lavender Cotton	Southernwood Dwarf
Grey	Spearmint Black
Lavender Cotton	Tansy Fern Leaf
Green	Tarragon True
Lovage	Thyme Kitchen
Lemon Balm	Thyme Lemon
Marjoram Sweet	Thyme Wild
Mint Curly	Thyme Creeping
Mint English	Wormwood Common
Mint Silver	Wormwood Roman

3 for \$1.50; 10 for \$4.00

LEMON VERBENA

3 for \$2.00; 10 for \$5.00

SCENTED GERANIUMS

Almond	Lemon Rose
Apricot	Lime
Balm	Mint
Camphor	Nutmeg
Giant Oak	Rose
Lady Mary	Snowflake
Lady Taylor	True Oak
Lemon	Walnut

3 for \$1.60; 10 for \$4.50

Rudbeckia (Cone Flower)

PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. **Plants**, 60c each; 3 for \$1.50; doz., \$4.75

Statice

LATIFOLIA (GREAT SEA LAVENDER.) 18 in. Grows in fine lace-like bush form with a profusion of misty purplish-blue blossoms. May be cut and dried for winter bouquets. Unexcelled for filler in floral arrangements. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.25.



PHLOX

Scabiosa

HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

Shasta Daisies

ALASKA. 2-2½ feet. Splendid for cutting. **Plants**, ea., 50c; 3 for \$1.25; doz., \$4.25.

G. MARCONI RE-SELECTED. The flowers are 4 in. in diameter and stems 2½ to 3 ft. long. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

MAJESTIC. Flowers 5 to 6 in. with small yellow eye, double circle of petals, stems 30 to 32 in. Blooms medium early. **Plants**, each, 75c; 3 for \$2.00; doz., \$6.00.

Stokesia (Stokes' Aster)

CYANEA. 18 in. July-Oct. Flowers rich blue. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

Tritoma (Red Hot Poker)

PFITZER'S HYBRID. Orangescarlet. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

Vinca Minor

BOWLES VARIETY. Glossy leaved plant which makes a fine evergreen for shady locations. Flowers are a charming intense blue. **Plants**, each, 45c; 3 for \$1.15; doz., \$3.50.

HARDY SWEET VIOLETS

ROYAL ROBE. Lustrous violet blue, very fragrant. **Plants**, each, 60c; 3 for \$1.50; doz., \$4.75.

Save Money With 1-Year Untransplanted Perennials

3 for 60c; 6 for \$1.00; Dozen for \$1.75 Prepaid.

These sturdy, though small, perennial plants are shipped direct from the beds where they have been growing one year. They will stand transplanting shock better than many larger plants and will complete their growth in your border. They are packed in bundles of one variety, and bundles will not be broken at the following prices:

Dozen plants \$1.75; 3 Dozen plants \$4.50; 5 Dozen plants \$7.00; 10 Dozen plants \$13.00. All Prepaid.

BROKEN BUNDLES. If you wish less than 12 plants of one variety we will ship 3 plants of one variety for 60c; 6 plants of one variety for \$1.00, all prepaid. Not less than 3 of one variety sold.

ACHILLES. The Pearl. Pure white flowers, fine for cutting.

COLUMBINE. (Aquilegia) Long-Spurred Hybrids. Fine selection of mixed colors

CANTERBURY BELLS. (Campanula) Double and Single Mixed. Very showy

CARNATIONS. Hardy Border. Double and single flowers in mixed colors.

DELPHINIUM. Round Table Series Hybrids. Giant spikes of many colors. Mixed only

DIANTHUS BARBATUS. Vaughan's Special Mixture of Sweet William

DIANTHUS PLUMARIS. Clove scented garden pinks. An ideal border plant.

DIGITALIS. Bell shaped flowers in mixed shades.

GAILLARDIA. (Mixed Hybrids) Mixture of all shades and colors

HOLLYHOCKS. Chater's Double Mixed. A must for the old-fashioned garden

ICELAND POPPIES. Large flowers in mixed colors

PANSY. Swiss Giants. A fine mixture of colors. Giant flowers of good shape and texture

PYRETHRUM. Robinson's Hybrids. A selection of mixed shades of pink and reds. Unsurpassed for cutting and border effect.

SHASTA DAISY. Alaska. Large single flowers on 2 ft. stems



Grow Your Own Mushrooms

MAGIC MUSHROOM TRAYS

Mushrooms for home consumption can be grown in your cellar, without odor or disorder, in Magic Mushroom trays, which come filled with compost, and sown with spawn, ready to grow after you have soaked the soil.

Trays measure 15 by 17 inches. Mushrooms should mature in 3 to 4 weeks and continue to develop for two to four months. Four trays are recommended to supply the average family.

Compost which fills the tray is pasteurized and odorless. Shipping weight is 25 lbs. for each tray, if shipped with one-inch of soil covering compost; 15 lbs. without soil which you can supply from your garden.

Shipped with complete instructions. Prices, 2 trays, \$3.00; 4 trays, \$5.00; 10 or more, \$1.15 each, F.O.B. Ashtabula, O.

PURE CULTURE IMPROVED VITA BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet. Leaflet, "How to grow mushrooms" free with spawn.

Per carton, \$1.25 5 cartons for \$5.50
If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE IMPROVED VITA BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick,50c 5 bricks for \$2.25
If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15th to May 20th.

Bermuda (for early green onions).

Yellow Sweet Spanish (for large onions).

Per bunch postpaid 55c; ten bunches, \$4.25.

Hybrid Sweet Spanish (for exhibition onions). See Novelty page 5.

Per bunch, postpaid, \$1.00; Ten bunches \$6.00.

SWEET POTATOES

See Novelty page 7 for a description of the wonderful new Murff Bush Sweet Potato.

Sweet Potatoes will be shipped from our grower in Southern Illinois, all by express at purchaser's expense. We offer: Yellow Jersey, Nancy Hall and Porto Rico. 10 lbs., \$1.85; 25 lbs. and over, 16c per lb.

Murff Bush. 10 lbs., \$2.00; 25 lbs. and over, 18c per lb.

SWEET POTATO PLANTS

All orders for Sweet Potato Plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C. O. D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. Varieties: Yellow Jersey, Nancy Hall and Porto Rico. 50 plants, 85c; 100, \$1.65; 200, \$3.15; 500, \$5.50; 1,000, \$9.00. By express per 1,000, \$8.50.

Murff Bush. 50 plants, \$1.00; 100, \$1.75; 200, \$3.40; 500, \$6.00; 1,000, \$10.00. By express, per 1,000, \$9.50.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15th.

Plant a Liberty Garden

Two wars have taught America the value of home grown vegetables in periods of national emergency. Ten years ago the great Victory Garden campaign was begun. During World War II it helped maintain at a high level the national supply of vitamin rich vegetables for soldiers and civilians, thanks to the quantities harvested from home gardens, and preserved by home canners.

Again war threatens, and our nation is arming. More than ever home gardens will be needed, should war come again. A single atom bomb in one second could deprive millions of all food shipped from a distance.

To strengthen national defense, and insure your own family from rising prices and the danger of reduced supplies, part of your garden area this year should be devoted to vegetable tables.

VEGETABLE PLANTING CHART

The key-date for all planting for the outdoor garden, whether it is done directly in the open garden, or under protection to grow plants to be transplanted, is the last killing frost of spring. You can ascertain this date in your neighborhood from experienced gardeners who usually know when it is safe to set out tender plants. In the column headed: "Time to Sow," one for indoors, the other for outdoors, letters are used to indicate the number of weeks in advance of this safety date, when the operations indicated may begin.

Weeks before date of last killing frost of spring.

A—10 weeks.
B—8 weeks.
C—6 weeks.

D—4 weeks.
E—2 weeks.
F—When danger of frost is over.

G—When soil is thoroughly warm, and nights above 60 degrees.

Vegetable		Time to Sow		What May Be Expected	Planting Measurements		
		Indoors	Outdoors	From 1 lb. of Seed	Distance Between Rows	Distance Between Plants	Depth to Plant Seed
Beans	Green Bush		E	50 feet	2½ feet	4 inches	½ inch
	Wax Bush		E	50 feet	2½ feet	4 inches	½ inch
	Dwarf Shell		E	50 feet	2½ feet	4 inches	½ inch
	Bush Lima		F	50 feet	2½ feet	4 inches	½ inch
	Broad		D	50 feet	3 feet	4 inches	1 inch
	Pole Lima		F	75 hills	4 feet	2 feet	1 inch
	Pole		E	200 hills	4 feet	2 feet	½ inch
	Soy (Soja)		E	50 feet	2½ feet	4 inches	½ inch
Corn	Early		E	200 feet	3 feet	12 inches	1 inch
	Late		E	200 feet	3 feet	12 inches	1 inch
Peas			C	100 feet	3 feet	1 inch	1 inch
				From 1 oz. of Seed			
Asparagus			C	500 plants	3 feet	15 inches	¾ inch
Beet			D	50 feet	1½ feet	2 inches	¾ inch
Broccoli		B	D	2000 plants	2½ feet	1½ feet	¾ inch
Brussels Sprouts		B	D	2000 plants	2½ feet	1½ feet	¾ inch
Cabbage	Early		B	2000 plants	2½ feet	1½ feet	¾ inch
	Late		E	2000 plants	2½ feet	2 feet	¾ inch
	Chinese		C	5000 plants	2½ feet	1 foot	¾ inch
Carrot			D	100 feet	1½ feet	2 inches	¾ inch
Cauliflower		B	E	2000 plants	2½ feet	1½ feet	1 inch
Celery		A	E	3000 plants	2½ feet	6 inches	1 16 inch
		A	D	3000 plants	2½ feet	8 inches	1 16 inch
Chervil			D	100 feet	1½ feet	2 inches	1 inch
Chicory			F	100 feet	2 feet	6 inches	1 inch
Chives			D	200 feet	1½ feet	12 inches	1 inch
Corn Salad			D	150 feet	1 foot	3 inches	1 inch
Cress			D	100 feet	1 foot	1 inch	¾ inch
Cucumber			G	60 hills	4 feet	4 feet	¾ inch
Dandelion			E	200 feet	1½ feet	6 inches	¾ inch
Eggplant		B		1000 plants	3 feet	3 feet	¾ inch
Endive			D	3000 plants	1½ feet	12 inches	¾ inch
Florence Fennel			G	100 feet	2 feet	6 inches	¾ inch
Kale			F	2000 plants	2 feet	1½ feet	¾ inch
Kohlrabi			D	150 feet	2 feet	4 inches	¾ inch
Leeks		A	C	100 feet	1½ feet	4 inches	¾ inch
Lettuce		B	C	3000 plants	2 feet	12 inches	¾ inch
Mangel Wurzel			D	50 feet	2 feet	10 inches	¾ inch
Melon			G	100 hills	4 feet	4 feet	¾ inch
Mustard			D	100 feet	1½ feet	6 inches	¾ inch
Okra			F	250 plants	2½ feet	15 inches	¾ inch
Onion		A	C	100 feet	1 foot	2 inches	¾ inch
Parsley			D	150 feet	1½ feet	2 inches	¾ inch
Parsnip			D	100 feet	1½ feet	3 inches	¾ inch
Pepper		C	F	2000 plants	3 feet	1½ feet	¾ inch
Pumpkin			F	30 hills	5 feet	5 feet	1 inch
Radish			D	50 feet	1 foot	1 inch	¾ inch
Rhubarb			D	100 feet	3 feet	3 feet	1 inch
Salsify			D	75 feet	1½ feet	2 inches	1 inch
Spinach			C	50 feet	1½ feet	2 inches	1 inch
Spinach, New Zealand			E	250 plants	2 feet	2 feet	1 inch
Squash	Summer		E	50 hills	4 feet	4 feet	1 inch
	Winter		E	15 hills	7 feet	7 feet	1 inch
Swiss Chard			D	75 feet	1½ feet	6 inches	¾ inch
Tomato		C	E	1500 plants	4 feet	3 feet	1 inch
Turnip	Early		C	150 feet	1½ feet	3 inches	1 inch
	Rutabaga		C	150 feet	2 feet	6 inches	¾ inch
Watermelon			F	30 hills	8 feet	8 feet	1 inch



TOPCROP



CONTENDER



TENDERGREEN

Artichokes

Artichoke Green Globe. A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c; ½ oz., 75c; oz., \$1.50.

Asparagus

Planting. Seed will produce a crop in three years. One ounce produces 300 plants. Plants will produce a crop in two years.

Plant roots two feet apart in rows four feet apart.

Plants (2 yrs old)	Doz.	100	1,000
Mary Washington	\$1.00	\$3.75	\$32.00

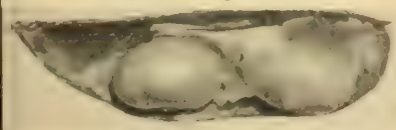
If by mail, add postage as follows: 100, 50c.

SEED

Mary Washington. Most recommended and rust-proof strain. Pkt., 15c; oz., 45c; ½ lb., \$1.10.

Paradise. Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c; ½ lb., \$1.75.

Edible Soy Beans



Soy Beans have proteins, 36.5%; fats, 17.5%; compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

Bansei, 90 days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow. Pkt., 10c; ½ lb., 30c; 1 lb., 60c; 2 lbs., 75c.

Improved germination and vigor of growth in beans is induced by inoculating the seeds with Nitro-gin, garden size 15c, sufficient to treat 6 lbs. of soy beans, lima beans and sweet peas. Easy to buy. 3 packets for 40c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 1 pound. For postage charges on larger lots, see Page 96.

New Beans Set Record in Yield and Quality

QUALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, due to superior stringlessness and less fiber. Flat pod varieties rate high in yield and flavor.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

Round-Pod Bush Beans

B-1 Wade, 55 days. All America Gold Medal, 1952. Supreme quality combined with heavy yield won the top award for this new variety, which experts consider the finest all-purpose greenpod bush bean yet developed. See Novelty Page 4. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.45.

B-13 Topcrop, 50 days. All America Gold Medal 1950. Until the introduction of the new variety Wade, this was unsurpassed for a combination of quality, yield and disease resistance. Compared with Wade it is not as dark a color, and the pods mature faster, giving a shorter period of top quality. It also outyields Wade under most conditions. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.45.

B-23 Contender, 49 Days. An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod. See Novelty page 5. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., \$1.45.

B-26 Logan, 52 days. A tendergreen type of bean that bears long, straight, stringless pods and under adverse growing conditions will outyield Tendergreen. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-40 Tendergreen, 52 days. Good sized bush bearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and ¾ in. through. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

Food Value of Snap Beans

In one 3½ oz. cooked portion Green pod beans supply: Vitamin A, 600 I.U., Vitamin B, 20 I.U., Vitamin C, 7 Milligrams.

Wax beans supply: Vitamin A, 410 I.U., Vitamin B¹, 25 I.U., Proteins, 2.3%, Fats, .3%, Carbohydrates, 7.4%.

They also contain significant amounts of calcium, magnesium, potassium, chlorine, sulphur and iron.

Flat-Pod Bush Beans

B-5 Bountiful, 49 days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-38 Streamliner, 55 days. This is among the most productive of the bush types. The plants bear 7 in. long, ½ to ¾ in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-16 Giant Stringless Green Pod, 53 days. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-39 Stringless Green Pod. (Landreth Stringless), 50 days. Medium sized bush, productive, bearing long, round pods of good color. Stringless, fleshy and nearly straight. Does best in heavy clay soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-4 Black Valentine Stringless, 52 days. Medium sized bush bearing fine long round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early shipper. Does best in heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

Pole Beans

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills

B-11 Blue Coco Pole Bean. World famous quality bean. See Novelty page 5. Pkt., 25c; ½ lb., 65c; lb., \$1.15.

B-21 Kentucky Wonder or Old Homestead. 65 days. The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-22 Kentucky Wonder Wax. 65 days. Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-44 Burger's Stringless or White Seeded Kentucky Wonder. 63 days. Popular because adapted to freezing and stringless. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-25 Lazy Wife or White Cranberry. 74 days. Fine for snap or green shell beans. Also a good dry shelled bean. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-36 Scarlet Runner. 65 days. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-48 Yard Long or Asparagus Bean. 70 days. Bears a long, round pod of 18 to 28 inches long, ¼ inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.



B-10 WAX-POD BEAN CHEROKEE. Pkt. 15c.

Best Wax-Pod Bush Beans

B-10 Cherokee. 53 days. Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-17 Golden Bountiful Wax. 53 days. Plant large and very productive. Pods deep yellow, waxy, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-18 Gold Standard Wax (Davis Stringless). 52 days. Plant medium large and fairly productive. Pods 6 in. long, ½ inch wide, thick, stringless, straight, some fiber. Good color and quality. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-29 Pencil Pod Wax. 55 days. Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden. Pods 6 in. long, ¾ in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-35 Round Pod Kidney Wax (Brittle Wax). 55 days. Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow, 5½ in. long, ¾ in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-41 Top Notch Golden Wax. 52 days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy, low pods that are straight, oval, stringless and brittle. 5 inches long, ½ inch wide. Seed small, white with brown eye. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-43 Unrivalled Wax. 52 days. Medium bush of upright growth bearing profusely of waxy yellow pods, 5 in. long, ¾ in. wide; flat, fleshy, brittle, stringless in early stage. Seed small, long, round, yellowish brown. Does best in medium light soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

SHELL BEANS

B-9 Dwarf Horticultural (Speckled Cranberry). Plant medium size, fairly productive. 60 days to green shell and 90 days for ripe shell. Pods green becoming yellow splashed with crimson. Pods 5 in. long, ¾ in. wide. Nearly round at green stage, stringless but having fiber. Seeds full of pinkish buff. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-12 English Broad Windsor. 80-90 days. Stout tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing. Should be planted early in the north. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-32 Red Kidney. 95 days. Plant is large, vigorous. Pods 5 in. long, ½ in. broad. Dark green oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c; ½ lb., 40c; lb., 65c; 3 lbs., \$1.25.

B-45 White Kidney. 100 days. For dry shell only. Pods 5½ in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

B-46 White Marrow. 100 days. Plant large waxy semi-runners, hardy. Pods 5 in. long, ½ in. diameter. Seed white, oval, short. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

Luxury Lima Beans

LIMAS should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

BUSH

B-31 Triumph. 72 days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

B-15 Fordhook No. 242. 73 days. We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

B-14 Fordhook Bush. 75 days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

B-42 USDA No. 2 Henderson. 65 days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

B-2 Baby Fordhook. 70 days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

B-6 Burpee's Improved Bush. 75 days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seed. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

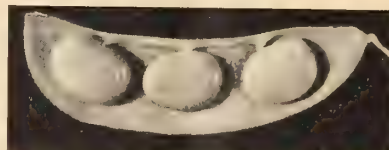
B-7 Cangreen. 65 days. A new green seeded Henderson type of lima well adapted for freezing. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.45.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 lbs. For postage charges on larger lots, write for prices.



BABY FORDHOOK. Pkt., 15c.



USDA 2 Henderson, Pkt., 15c.

POLE

Packet plants, 15 hills; lb., 100 hills.

B-24 King of the Garden. 88 days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c; ½ lb., 40c; lb., 65c; 2 lbs., \$1.25.

COMMERCIAL BEANS

B-19 Great Northern. 90 days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

B-28 Michelite. 95 days. White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Inoculate Bean Seed

To stimulate growth, use culture of nitrogen secreting bacteria. Garden size, sufficient for 6 lbs. of seed or peas, beans, lima beans and sweet peas, 15c.

There is a risk of failure whenever beans are planted in cold soil. If this risk is deliberately assumed to speed up the harvest, treatment of the seed with a disinfectant may prevent mould and fungus disease from developing before the beans sprout. Treat with Semesan, Phygion, XL, Arasan or Spergon, listed on insecticide page

All the Better Beets



B-77 BEET PERFECTED DETROIT. Pkt., 15c; ½ oz. 25c

QUANTITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well required. Thin when roots begin to make globes, to stand 4 inches apart in row. Cook beets with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-77 Perfected Detroit. 55 days. In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are green tinged with red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-76 Detroit Dark Red. 55 days. A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-75 Crosby's Egyptian. 50 days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent in table quality. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-82 Long Dark Blood. 75 days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-80 Green Top Bunching. 55 days. An early extremely attractive bunching beet that we recommend as the best all purpose beet. Tops medium sized, and erect. Foliage grayish-green that does not turn red or brown in fall. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

B-81 Improved Early Egyptian. 45 days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., 95c.

Sugar Beets

B-93 Klein-Wanzleben. 100 days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Wedge shape tapering to tail. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25.

Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 Mammoth Long Red. 110 days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25.

B-87 Golden Tankard. 110 days. A suitable yellow sort. Pkt., 15c; oz., 30c; ¼ lb., 75c; ½ lb., \$1.25.



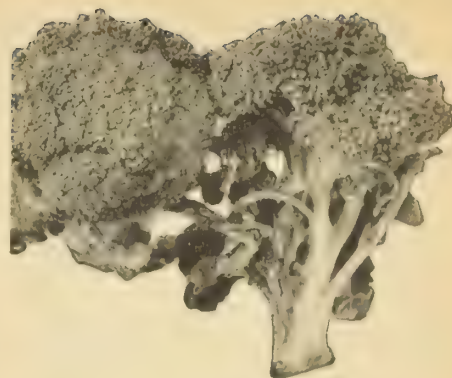
C-99 COLLARD CABBAGING. Pkt., 15c; oz., 35c

Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-99 Cabbaging. 75 days. A desirable type producing rather compact plants 1½-2 feet high. Large loose clusters of leaves which often tend to head. Pkt., 15c; oz., 35c; ¼ lb., \$1.05.

C-100 Georgia. 75 days. Non heading and very generally grown for greens in the south. Plant 2-3 feet tall, erect, spreading. Pkt., 10c; oz., 35c; ¼ lb., \$1.05.



Green Broccoli

BROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 De Ciccio. 60 days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth. Pkt., 20c; ½ oz., 45c; oz., 85c; ¼ lb., \$2.50.

B-95 Italian Green Sprouting. 70 days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.65.

Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually a fall crop, sown in June.

B-98 Improved Dwarf. 80 days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early. Pkt., 15c; ½ oz., 50c; oz., 95c.

B-99 Long Island Improved. 90 days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1¼-1½ in. diameter which mature in succession. Pkt., 15c; ½ oz., 50c; oz., 95c.



BRUSSELS SPROUTS

Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

Cabbage Culture: After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

HYBRID CABBAGE

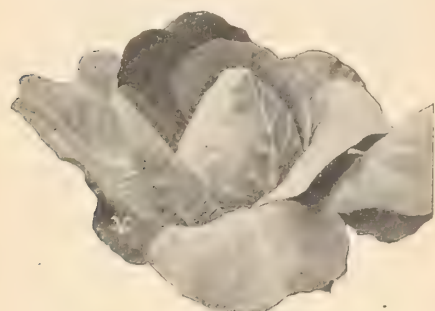
C-18 O-5 Cross. 70 days. See Novelty page 8. Pkt., 35c.

Yellows Resistant Varieties

C-13 Early Resistant Detroit. (A Golden Acre Type) 63 days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only a couple of days later. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-1 Bugner. 100 days. A winter variety which is our most popular variety with market growers in the Chicago area. Our own strain has been selected for resistant qualities over many years. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-10 Globe. 75 days. A resistant Glory of Enkhausen that is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other cabbage. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.



C-15 CABBAGE JERSEY QUEEN.
Pkt., 15c; ½ oz., 45c.

C-15 Jersey Queen. 60 days. As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener where a high quality cabbage for summer salads is desired. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-16 Marion Market. 75 days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early nor so uniform as the original strain, but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil where non-resistant strains fail completely. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-24 Wisconsin All Head

Early. 80 days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-25 Wisconsin All Seasons.

90 days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-28 Wisconsin Ballhead.

100 days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-5 Wisconsin Copenhagen.

68 days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.



C-13 CABBAGE EARLY RESISTANT DETROIT. Pkt., 15c; ½ oz., 45c.

C-30 Racine Market. 64 days. Large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

STANDARD CABBAGES

C-4 Copenhagen Market Extra Early. 65 days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

C-9 Early Jersey Wakefield. 62 days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

C-11 Golden Acre. 60 days. The earliest round headed cabbage; especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting; the stem short and heads uniformly round and firm. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

C-31 Golden Acre. (AH45) The earliest strain of Golden Acre Cabbage yet introduced. Pkt., 25c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-6 Danish Ballhead Short Stem. (Dwarf Amara) 105 days. Heads large, flattened globe shape; very firm and solid; keep very well in storage. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

C-21 Penn State Ballhead. 105 days. Yields as high as 26 tons per acre have been recorded. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

C-23 Premium Flat Dutch. 110 days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.

Here's Table Quality in Cabbage

C-3 Chieftain Savoy. 88 days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., \$1.85.



C-1 CABBAGE BUGNER. Pkt., 15c; ½ oz., 45c.

Red Cabbage

Valued for Distinctive Flavor

C-14 Red Acre. 75 days. An early, round, very hard, 6 inches through, weighing 4 lbs. the earliest reds of quality. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-17 Mammoth Rock Red. (Long Island S) 100 days. The hardest and largest heading red cabbage. Round, very solid and of a deep color, often weighing up to 12 pounds. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.

C-22 Red Yellows Resistant. 100 days. Like large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 75c; ¼ lb., \$2.25.



PAOTING. Pkt., 15c.

CHIHLI. Pkt., 15c.

Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 10 pkts.

C-26 Celery Cabbage Michihli. 90 days. The most uniform strain of Chinese cabbage. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.45.

C-20 Celery Cabbage Chihli. 70 days. Seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in color with tips green. Makes delicious salad or has delicate cabbage flavor cooked without oil. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.45.

C-19 Celery Cabbage Paoting. 80 days. A unique "Wong Bok" type. Will mature firm through the summer months. It has practical heads weighing 15 pounds and stands long in storage going to seed. It is the largest of the Chinese cabbages. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., \$1.45.

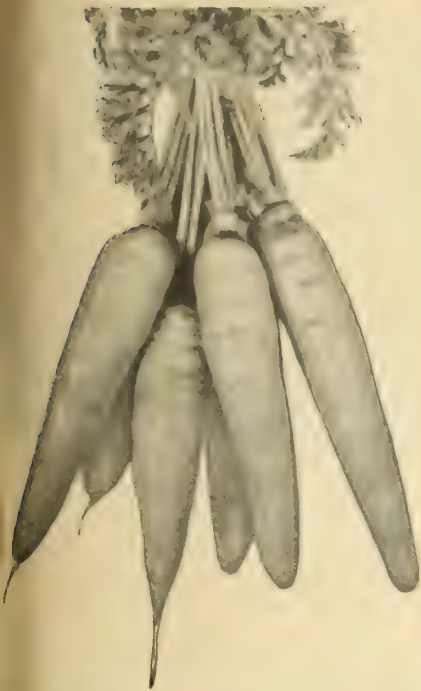
Celeriac

TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used in soups or meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing celeriac upon request.

C-84 Large Smooth Prague. About 110 days. A main crop variety. Pkt., 15c; ½ oz., 50c; oz., 85c; ¼ lb., \$2.75.

Slender, Tender Carrots



C-49 CARROT, SWEETHEART. Pkt., 20c.

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season of maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when of finger size, and serve discards. Carrots will mature well growing close enough to touch, and remain delicious all season; but many prefer them young, and make several sowings.

C-43 Imperida. 77 days. A brand new carrot with a long slender root and a short strong top. See Novelty page 7. Pkt., 25c; ½ oz., 50c; oz., 85c; ¼ lb., \$1.75.

C-49 Sweetheart. 70 days. A very fine strain of Nantes type. The top is short and the root is a bright orange with the least core of any variety grown. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

C-51 Touchon. 70 days. From the time it is finger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., \$1.75.

C-48 Red Heart. (Red Core Chantenay). 70 days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-47 Nantes Half Long Scarlet. 70 days. An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-50 Table Queen. 70 days. Half-long type, bright red, tender, crisp and one of the sweetest we know. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-45 Improved Chantenay. 75 days. A strain of Nantes type which resembles the original type in most respects except that it averages 1½ to 2 inches longer and has sloping shoulders. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-42 Guerande or Oxheart. 70 days. Of rapid growth, often attaining a weight of ½ pound. It is thick shouldered, short and top-shaped; has a good flavor and is tender. A second early. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-44 Imperator. 77 days. Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

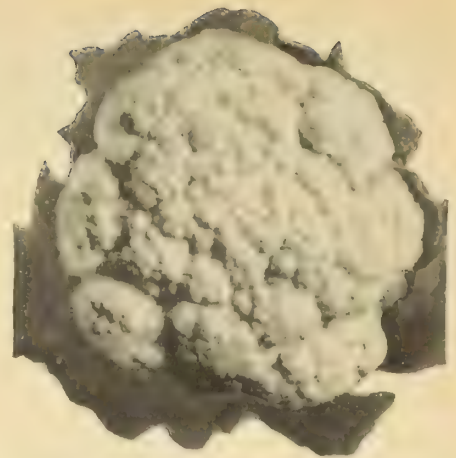
CARROTS FOR STOCK

C-46 Improved Long Orange. 88 days. A good keeper of fine quality for winter use, extensively grown for stock feeding. Makes a large tonnage of feed for cattle or poultry. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.

C-52 Select Danvers. (Red Core). 75 days. A half-long type, averaging five and one-half inches in length, tapering to a blunt point. Greater yield per acre than any other. Pkt., 15c; ½ oz., 40c; oz., 65c; ¼ lb., \$1.50.



EASY BLANCHING FULL HEART. Pkt., 20c.



C-66 CAULIFLOWER IDEAL. Pkt., 50c

Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1500 to 2000 plants, 1 oz.

C-66 Ideal. All American winner 1949. An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head. Pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.85.

C-65 Vaughan's Select Snowball. 55 days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching. Pkt., 40c; ½ oz., \$1.25; ¼ oz., \$2.25.

C-64 Vaughan's New Snowball. 60 days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier yielding than Select. Pkt., 30c; ½ oz., \$1.15; ¼ oz., \$1.95.

C-61 Autumn Giant. 80 days. A large heading late fall sort not recommended for northern districts. Pkt., 25c; ½ oz., 50c; ¼ oz., \$1.00; oz., \$2.00.

GARDEN FLOWERS IN COLORS. By Daniel J. Foley. The 350 brilliant and lifelike color plates of flowers contained in this book make it the greatest value that has ever appeared in picture books. Valuable as a means of identifying garden flowers. 320 pages. \$2.95.

Green Celery Best for Vitamins

YELLOW

C-75 Golden Detroit. 90 days. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety. Pkt., 20c; ½ oz., 65c; oz., \$1.00.

C-79 Michigan Golden. 100 days. Developed at Michigan State Agricultural College, resistant to "Fusarium Yellows," bred from the tall strain of Golden Self-Blanching. Pkt., 35c; ½ oz., \$1.25; oz., \$2.35.

Golden Self Blanching. Dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 Tall Strain. French type. Pkt., 20c; ½ oz., 85c; oz., \$1.50.

C-77 Dwarf Strain. American-grown. Pkt., 20c; ½ oz., 85c; oz., \$1.50.

C-76 Golden Plume. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt., 20c; ½ oz., 85c; oz., \$1.50.

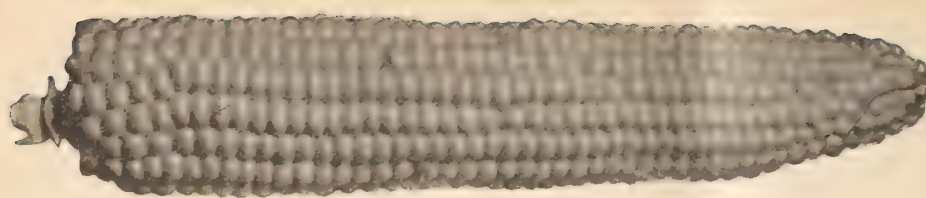
GREEN

C-72 Easy Blanching Full Heart. 110 days. An early variety of erect, compact growth, blanching easily. Stalk is medium large and solid, crisp with no fiber and excellent flavor. Good winter keeper. Recommended for early storage for hearts. A very fine home garden type. Pkt., 20c; ½ oz., 65c; oz., \$1.00.

C-86 Summer Pascal. 120 days. One of the most popular green varieties, used without blanching. Recommended for home and nearby markets, but is too tender and brittle to stand long distant shipping. Resistant to blight. Stalks are long, solid, crisp, stringless and of excellent quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00.

C-80 Utah Pascal. (Salt Lake). 125 days. A green variety recommended for fall use, maturing earlier than Giant Pascal. Stems thick, solid, broad rounded and of fine quality. Pkt., 20c; ½ oz., 65c; oz., \$1.00.

C-74 Giant Pascal. 135 days. A tall late green variety of excellent quality. Leaf stalks round, thick and solid. A very fine variety for fall and winter use. Pkt., 20c; ½ oz., 65c; oz., \$1.00.



HYBRID SWEET CORN IOCHIEF

Newest Sweet Corn Hybrids

HYBRID sweet corn excels in three ways: **H**eavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved by exhaustive tests in our trials.

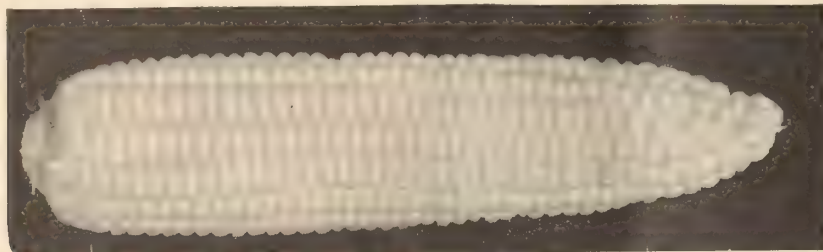
A packet plants 40 hills; a pound, 400 hills; 12 lbs. an acre.

Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.

C-128 Illinois Golden No. 21. 83 days. A brand new introduction of Dr. Walter Huelsons from the University of Illinois that shows exceptional promise for midwestern and southern growing. The ears and stalk are very large and the quality is high. It is recommended for the late harvest in home gardens. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-115 Ioana. 83 days. Productive variety, highly resistant to draught and wilt. Ears 7½ to 8 inches long, 12-14 rowed. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-109 Improved Golden Label. 83 days. A late variety that bears ears of great size on stalks up to 8 feet in height. The ears are 16 rowed and very tender. This variety is particularly well adapted to drouth areas. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.



C-129 IMPROVED CARMELCROSS. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs. \$1.35

HYBRID RESISTANT

C-111 Iochief. 83 days. All America winner 1951. An outstanding new sweet corn introduction. A fine home garden late variety that is suited to freezing or canning. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-108 Golden Cross Bantam. 79 days. Being equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7½ to 8 inches and has 12 to 14 rows of kernels. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-122 Surprise. (Improved Spancross). 64 days. 10 to 12 rows, golden yellow, ears 6 to 6½ inches. Stalks 57 to 60 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; ½ lb., 45c; 1 lb., 75c; 2 lbs., \$1.35.

C-127 Golden Rocket. 65 days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on stalks 6 feet in height. This variety matures about two to three days before Our Choice but will yield fewer ears. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-119 Our Choice. 68 days. This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear, and completely resistant. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-116 Lee. 73 days. A second yearly, bearing large ears, very sweet and heavy yielding. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-129 Improved Carmelcross. 75 days. A recent introduction that has become the most popular of the second earlies or the early corns that bear large ears. Some claim this variety has the finest flavor of all. A definite improvement over the old Carmelcross 39. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-130 Early Southern Cross. 75 days. A new introduction very similar in type to Improved Carmelcross. A good shipper. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

C-101 Bancross. 76 days. (Vaughan's Top Cross Golden Bantam). This variety is produced by crossing Golden Bantam with Purdue Bantam. Pkt., 15c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

POP CORN

C-135 Illinois Hulless. 100 days. New for 1950. The finest quality pop corn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls. See Novelty page 6.

Seed Processed for Seeding. Pkt., 25c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.65.

Seed Processed for Popping. ½ lb., 40c; lb., 65c.

C-138 South American. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., \$1.95.

C-139 South American Hybrid. Pkt., 25c; ½ lb., 50c; lb., \$1.00; 5 lbs., \$4.85.

C-141 White Rice. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., \$1.95.

C-136 Japanese Hulless. Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., \$1.95.

C-137 Japanese Hulless Hybrid. Pkt., 25c; ½ lb., 50c; lb., \$1.00; 5 lbs., \$4.85.

C-140 Supergold (Kansas Sunburst). Pkt., 15c; ½ lb., 35c; lb., 55c; 5 lbs., \$1.95.

Non-Hybrids

C-106 Extra Early Golden Bantam. 78 days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-114 Improved Golden Bantam. 85 days. A 14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-107 Golden Bantam. Matures in about 8 days. The tender sweetness of an ear of the Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 85c.

C-105 Early Golden Sweet. Matures in about 68 days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-124 Bantam Evergreen. 90 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-112 Golden 60 Day. 68 days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-123 Black Mexican. 85 days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

NON-HYBRID WHITE

C-113 Howling Mob. 83 days. A large-ear, fine second early. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

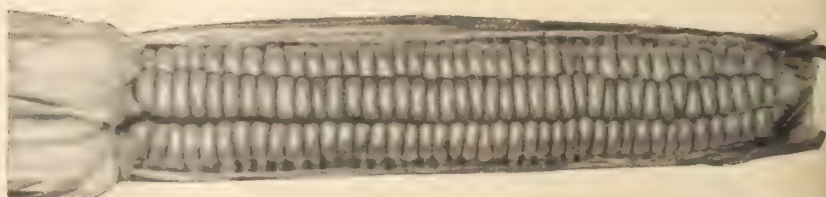
C-104 Early Evergreen. 94 days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-102 Country Gentleman. About 95 days. Kernels crowded together on the cob. Delicious, tender and sweet. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

C-120 Stowell's Evergreen. 95 days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Hybrid Sweet Corn Team For an All-Season Harvest

As the best combination available in 1948 we have chosen these four varieties for our hybrid sweet corn team: Our Choice, 68 days. Early Southern Cross, 75 days. Golden Cross, 79 days. Improved Golden Label, 83 days. Plant all four at the same time to insure an all-season harvest. 2 oz. of each variety in separate packets totaling in ½ lb. **50c**

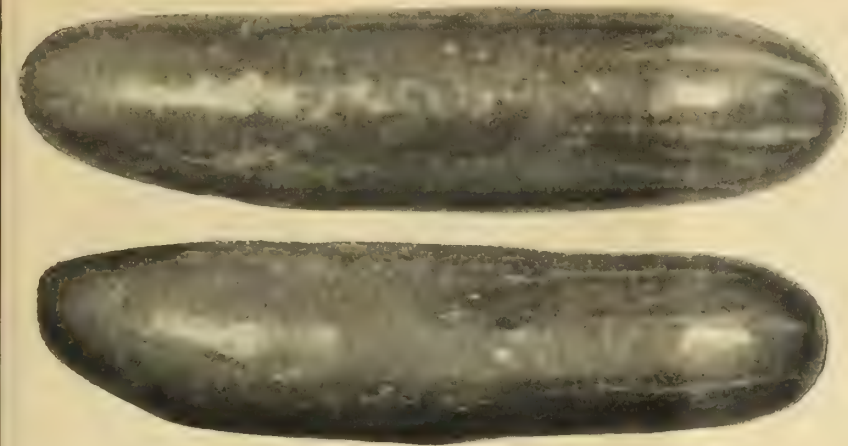


Midget Corn for Small Gardens

C-125 Golden Midget Hybrid. 68 days. A new F1 hybrid, sweet corn for the small home garden. See Novelty page 2. Pkt., 50c.

C-110 Golden Midget. 70 days. On stalks 2½ to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for flavor. Pkt. (2 oz.), 35c.

Home Garden Cucumbers



C-171 CUCUMBER MARKETER. Pkt., 15c.

Two distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are attained in your crop. Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.

Plant in hills three to six feet apart; six seeds $1\frac{1}{2}$ inches deep to a hill, thinned three plants. Protect plants from beetles. Water when needed, and keep vines picked clean.

C-121 The Vaughan Hybrid. 65 days. A mosaic resistant long dark green and slender cucumber, ideal for market or home. See Novelty page 6. Pkt., 25c; $\frac{1}{4}$ oz., \$2.75; oz., \$5.00.

C-122 Early Sure Crop Hybrid Cucumber. 65 days. 1950 All America winner. The first hybrid cucumber to mature. Early sure crop has true color but lacks the quality of the Vaughan Hybrid. Pkt. (35 seeds), 25c.

C-123 Sensation Hybrid Cucumber. 65 days. Amazingly heavy bearing, top quality, slicing type. The fruits are dark green, medium long, but bright white flesh and a small seed cavity. Pkt. (35 Seeds), 25c.

C-124 Marketer. 65 days. A variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and $2\frac{1}{4}$ inches in diameter. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.45.

C-125 Mandarin. 45 days. Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with good cucumbers all summer. Pkt., (only), 25c.

C-126 The Vaughan. 74 days. The largest of indoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor type. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-127 A & C (Colorado). 68 days. A beautiful, long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is tapered to taper, especially at stem end. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-128 Santee. 80 days. A new development of the Barnes of the South Carolina Experiment Station, with resistance to mildew. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.80.

C-129 Straight Eight. 62 days. A white spine type which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-130 Mincu. 45 days. Its fruits averaging $4\frac{1}{2}$ inches long by 2 inches in diameter are suitable for salad slicing and pickling. It bears from 5 to 10 fruits within a foot of the hill. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-131 Improved Long Green. 68 days. Used for yellow chunk pickles. The fruit (12 in. long) has distinctive flavor. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-132 Arlington White Spine. 62 days. A very yielding, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-133 Davis Perfect. 65 days. Fine length, slim, dark green and crisp. The best blight resister of 5 sorts. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

PICKLING CUCUMBERS

C-166 Quick Grow. 50 days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and often-times will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-183 Chicago Westerfield. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-173 National. 54 days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-165 Boston Pickling. (Green Prolific). 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-169 Japanese Climbing. 68 days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

C-164 York State. A new mosaic resistant pickle bred by Dr. H. Munger of Cornell University. Pkt., 25c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

Cardoon

C-41. The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; $\frac{1}{2}$ oz., 65c; oz., \$1.25; $\frac{1}{4}$ lb., \$3.50.

Chicory

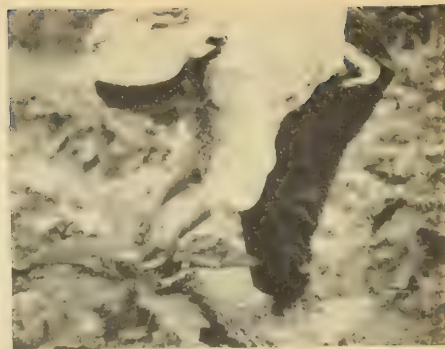
C-97 Witloof (French Endive). 150 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c.

C-96 Large Rooted Magdeburg. 65 days. Roots may be cut in thick slices, roasted and used as a coffee substitute; in spring leaves make good salad. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c.

C-95 Asparagus Chicory. 55 days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; $\frac{1}{2}$ oz., 40c; oz., 65c.

Chervil

C-93 Chervil. 70 days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; $\frac{1}{4}$ lb., 75c.



HAND-POLLINATING EGG PLANT IN JAPAN

Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

E-12 Vaughan's Hybrid. 85 days. A true hybrid introduced by us in 1951, which has met with great success. This variety produces a tremendous crop of very large fruits. The fruit are extremely dark. Pkt., 35c.

E-16 Japanese Early Hybrid. A very early F1 Hybrid that bears a large number of small to medium sized fruit. It is not as suitable as Vaughan's Hybrid Egg Plant for market but a satisfactory early maturing home garden type. Pkt. 25c.



BLACK BEAUTY

E-10 Black Beauty. 80 days.

Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.65.

E-13 Improved New York Purple. 83 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.65.

E-11 Florida High Bush. 85 days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; $\frac{1}{2}$ oz., 45c; oz., 85c; $\frac{1}{4}$ lb., \$2.65.

Endive



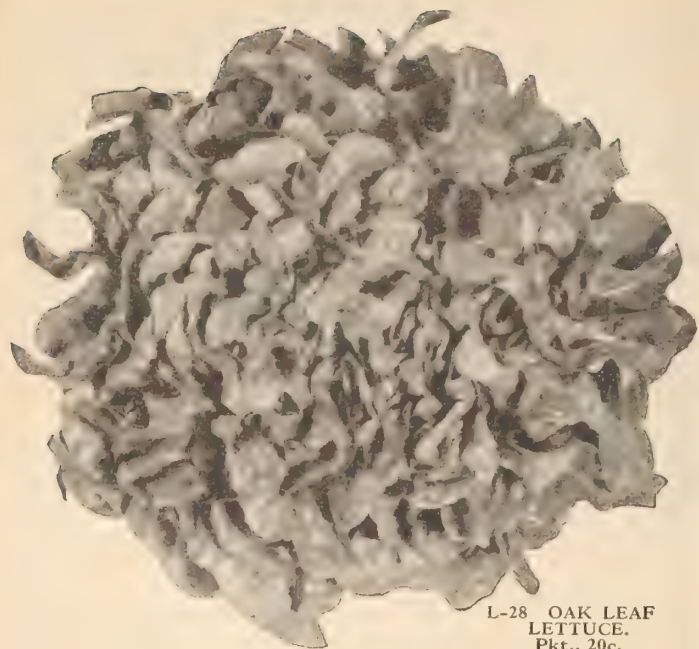
E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 80c.

E-1 Broad Leaved Batavian White Escarole. (Florida Full Heart). 90 days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 80c.

E-5 Green Curled. 90 days. Standard variety for fall and winter. When centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 80c.

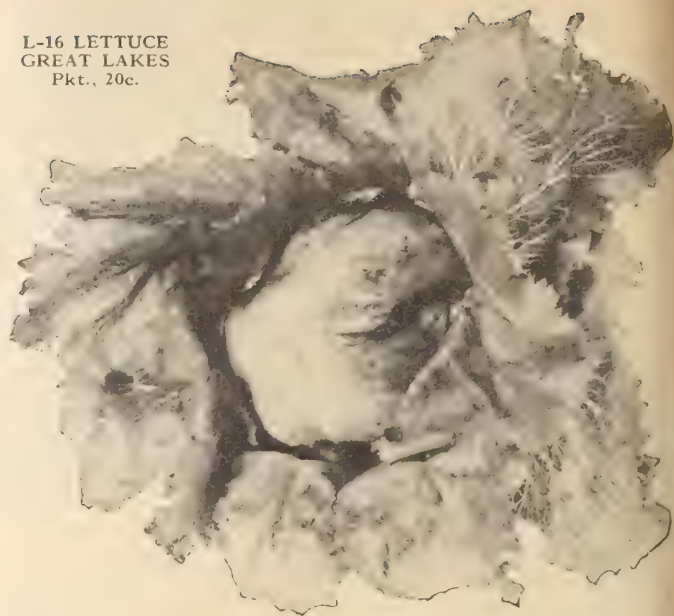
E-6 Moss Curled. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 80c.

E-7 Rose Ribbed Curled. In 95 days. Has leaf ribs of red. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 80c.



L-28 OAK LEAF
LETTUCE.
Pkt., 20c.

L-16 LETTUCE
GREAT LAKES
Pkt., 20c.



Lettuce for Salads All Summer

SOW as soon as soil can be prepared, $\frac{1}{2}$ inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

LEAF LETTUCE

L-34 Salad Bowl. 45 days. Gold Medal Winner. All America 1952. An excellent quality new home garden lettuce. See Novelty page 6. Pkt., 25c; $\frac{1}{2}$ oz., 55c; oz., \$1.00.

L-28 Oak Leaf. 40 days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens. Pkt., 20c; $\frac{1}{2}$ oz., 40c; oz., 70c.

L-7 Bronze Beauty. 40 days. Bronze medal 1946, All America trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heart, and the soft green of the tips is suffused with ruddy bronze. Pkt., 25c.

L-5 Black Seeded Simpson. Matures in about 46 days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15.

L-15 Grand Rapids. 45 days. This home garden favorite, also extensively planted for hothed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15.

L-14 Grand Rapids Resistant. Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.40.

L-11 Early Curled Simpson. (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.15.

L-30 Prizehead. 47 days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

HEAD LETTUCE

L-6 Bibb (Limestone). 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels. Pkt., 20c; $\frac{1}{2}$ oz., 30c; oz., 50c.

L-18 Iceberg. 84 days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.20.

L-8 California Cream Butter. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 85c.

L-10 Crisp as Ice. 74 days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

L-23 May King. 63 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 15c; oz., 40c; $\frac{1}{4}$ lb., \$1.00.

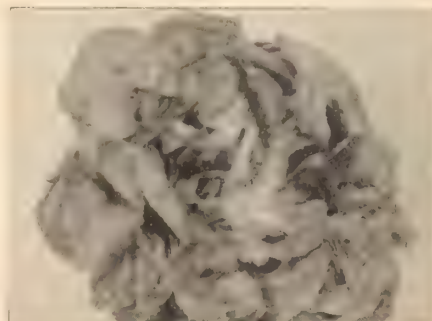
L-31 Big Boston. 75 days. Large heads of bright green leaves, very tender. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 75c.

CALIFORNIA TYPE

L-32 Pennlakes. 75 days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

L-16 Great Lakes. 75 days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.

L-20 Imperial No. 456. 80 days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August. Pkt., 20c; $\frac{1}{2}$ oz., 45c; oz., 75c; $\frac{1}{4}$ lb., \$2.25.



L-6 LETTUCE BIBB. Pkt., 20c.

CALIFORNIA TYPE—Continued

L-19 Imperial No. 44. 82 days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 55c; $\frac{1}{4}$ lb., \$1.25.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright looking, folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

L-9 Matchless. A great favorite in the east with a quality that many rate with Bibb. The plant is midway between the Cos and heading types. The dark green leaves are pointed and do not form a tight head. The midribs are especially palatable. Pkt., 25c; oz., \$1.00; $\frac{1}{4}$ lb., \$3.00.

L-12 Express Cos. In 70 days. A Vaughan introduction. The most dwarf and earliest of all leaves dark green. Delicious flavor. Self-closing. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 90c.

L-29 Paris White or Trianon. In 75 days. Grows to large size. Self-closing. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 90c.

FAST GROWING FOR POULTRY

L-25 Chicken Lettuce. About 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. Pkt., 15c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Other Salad Leaves

C-155 Water Cress (True Water). A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water. Pkt., 25c.

C-154 Upland Cress. 50 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 15c; $\frac{1}{2}$ oz., 25c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

C-153 Curled Garden Cress. 50 days. Used with lettuce it adds an agreeable pungency. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.15.

C-151 Corn Salad. 45 days. (Fetticus or Lamb's Lettuce). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall. Pkt., 15c; oz., 75c; $\frac{1}{4}$ lb., \$1.75.

Dandelion

D-1 Thick Leaf or Cabbage Variety. Cultivated for spring greens and salads. Unlike common sorts, almost double usual size. Pkt., 15c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.75.

Finnocchio

H-22 Fennel, Florence. Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor often used in fish sauces. Pkt., 15c; $\frac{1}{2}$ oz., 30c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

Early Home Garden Melons



MILWAUKEE MARKET MELON. Pkt., 15c; oz., 45c

NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of glass, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 10 hills, 1 oz.

Grow in light soil, in full sun, where plants can be watered. Sow in hills, five or six feet apart each way, six seeds $1\frac{1}{2}$ inches deep to a hill, thinning out to 3 plants.

Orange Fleshed Varieties

M-7 Pride of Wisconsin. 85 days. Similar in size and shape to Honey Rock. Oval in shape with rough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-5 Milwaukee Market. 80 days. Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-picked, inspected melons. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-2 Honey Rock (or Sugar Rock). 85 days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-6 Bender's Surprise. 90 days. Large, thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-21 TipTop. 96 days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-10 Hearts of Gold. 80 days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-19 Schoon's Hardshell. (New Yorker). 95 days. A high quality melon with an extra hard shell which makes it fine for shipping. This is the type grown by most of the market gardeners in the Chicago area. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-5 Banana. 98 days. Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.



MELON, IROQUOIS. Pkt., 25c.

M-14 Iroquois. 90 days. Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6 $\frac{1}{2}$ inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity. Pkt., 25c.

Green Fleshed Varieties

M-18 Rocky Ford or Netted Gem. 95 days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

M-11 Honey Dew. 110 days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.35.

THE BOOK OF PERENNIALS

By Alfred C. Hottes.

Contents: The Perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twentys; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth, \$2.75.



WATERMELON NEW HAMPSHIRE MIDGET Pkt., 25c.

Watermelons

WATERMELONS may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

M-55 Japanese Seedless. The most publicized vegetable seed novelty ever introduced. Pkt. (20 seeds), 50c. See Novelty page 8.

M-48 New Hampshire Midget. 75 days. A small very early home garden All America 1950 winner. Pkt., 25c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

M-50 Congo Watermelon. 90 days. A new large anthracnose resistant melon. Congo seems destined to replace the Florida Giant as the top variety for shipping. This green striped melon has a bright red flesh that is exceptionally sweet. Pkt., 15c; oz., 60c; $\frac{1}{4}$ lb., \$1.75.

M-40 Hybrid Dixie Queen. 82 days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet. Pkt., 25c.

M-39 Dixie Queen. 85 days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-49 Stone Mountain Resistant No. 5. 85 days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blockie ends; dark green with indistinct veins; flesh bright red, crisp and sweet. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-38 Cole's Early. (Harris Earliest). 80 days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-47 Early Kansas or Red Russian. 85 days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-41 Florida Giant (Black Diamond or Cannonball). 95 days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-51 Tom Watson. 92 days. Fruits very large, oblong, cylindrical, symmetrical. Flesh deep red, and sweet. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-43 Ice Box. 78 days. It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-45 Wilt Resistant Kleckley's No. 6. 85 days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-53 Winter Watermelon. 85 days. Like Honey Dew in size and long-keeping qualities. Excellent flavor. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-46 Klondike Resistant No. 7. 90 days. Exterior color dark green, flesh very dark pink. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-35 Black Lee. 90 days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-42 Golden Honey. 90 days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

Citron. 92 days. For Preserves.

M-37 Red seeded. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

M-36 Green seeded. Pkt., 15c; oz., 45c; $\frac{1}{4}$ lb., \$1.25.

Garden Herbs



SWEET MARJORAM. Pkt., 15c.

H-20 Mixture of Annual Herb Seeds for 25c.

This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

H-21 Mixture of Perennial Herb Seeds for 25c.

For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

H-1 Anise. Used for garnishing, seasoning and for cordials. Pkt., 15c; ½ oz., 30c; oz., 50c.

H-17 Basil, Sweet, Large Leaved. The leaves are used for flavoring soups and stews. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, eggplant, squash, carrots, peas, meat and especially for meat substitutes, including beans and fish. Pkt., 15c; ½ oz., 35c; oz., 65c.

H-3 Borage. Flowers; excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; ½ oz., 35c; oz., 60c.

H-4 Caraway. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-5 Catnip. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 15c; ½ oz., 70c; oz., \$1.35.

H-7 Coriander. The seeds are used for flavoring. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-8 Dill. Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats. Pkt., 10c; oz., 25c; ½ lb., 65c; lb., \$2.00.

H-12 Lavender Vera or True. The best. Pkt., 25c; ¼ oz., 50c; ½ oz., 90c; oz., \$1.75.

H-13 Rosemary. Pkt., 15c; ½ oz., 40c.

H-14 Saffron (false). Used for coloring dishes, also, for flavoring. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-16 Summer Savory. The leaves and young shoots are used for flavoring. Much used as a flavoring for beans, and in salads, vegetables, stews and other dishes. Pkt., 15c; ½ oz., 40c; oz., 75c.

H-15 Sage. A strongly flavored old-time favorite used in pork sausage and poultry seasoning. English Broad Leaf. Pkt., 10c; ½ oz., 30c; oz., 50c.

H-9 Sweet Fennel. The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. It is said Fennel is to fish what Mint is to lamb. Pkt., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.35.

H-18 Sweet Marjoram. Pkt., 15c; ½ oz., 40c; oz., 70c.

H-19 Thyme. Used for seasoning meats, poultry, fish, cheese, eggs, soups, vegetables, stuffings and salads. A tea is also made for nervous headache. Pkt., 25c; ¼ oz., 60c; ½ oz., \$1.00; oz., \$1.85.

Garden Huckleberry

G-1 Well described by the above name, this bears racemes or bunches of dark berries, ½ inch in diameter, which make preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt. 15c; ½ oz., 50c; oz., 90c.

Storage Onions Are Best Grown from Seed

SOW with the earliest crops, in rich soil, in drills ½ inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

WINTER KEEPERS

O-24 Autumn Spice Hybrid.

105 days. A new hybrid for 1952. An excellent keeping Southport type onion with a beautiful dark skin. This variety will outyield the standard Southport types and matures earlier. The bulbs are extra hard and the flesh is pungent and a creamy white. Pkt., 35c.

O-10 Golden Globe. 115 days.

An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-19 Southport Yellow Globe.

Ball Type. 110 days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-18 Southport Red Globe. About 110 days.

A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-13 "Mountain" Danvers. 100 days. Slightly

smaller than Southport. When aphid damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-14 Large Red Wethersfield. About 100 days.

Bulbs 2 to 2½ inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-9 Fancy Yellow Globe Danvers. About 110

days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-6 Brigham Yellow Globe. 110 days. A South-

port Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-20 Southport White Globe. About 110 days.

A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

FOR GREEN ONIONS

O-23 White Lisbon (Bunch Onion). The best

green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If hilled a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter Top. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-11 He-Shi-Ko. 50 days. An early bunch onion

deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Flat and Pickling Type

O-25 White Portugal or Silverskin. About 100

days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-8 Ebenezer. In 100 days. There is a

tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

BERMUDA TYPE

O-7 Crystal White Wax. In about 90 days.

This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c.

SPANISH TYPE ONIONS

Valencia Sweet Spanish (Utah Strain). A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

O-21 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-22 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

Riverside Sweet Spanish. 110 days. A California strain. When grown in southern California attains enormous size, 4 to 4½ pounds.

O-16 Yellow. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-17 White. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.

O-15 Prizetaker. American Grown. 105 days. Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., \$2.00.



HYBRID SWEET SPANISH ONIONS
Harvested in Chicago area in August

ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15 to May 20.

Bermuda (for early green onions).

Yellow Sweet Spanish (for large onions).

Per bunch postpaid 55c; ten bunches, \$4.25.

Hybrid Sweet Spanish (for exhibition onions). See Novelty page 5.

Per bunch, postpaid, \$1.00; ten bunches, \$6.00.

Onion Sets Grow Quickly



WHITE

RED
VAUGHAN'S BOTTOM ON ON SETS

YELLOW

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artificially dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good condition. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Quantity needed for 75 to 100 ft., 1 lb.

O-32 White Bottoms. Our sets of these are very choice, small, dry and unspouted. Lb., 45c; 2 lbs., 85c; 5 lbs. for \$1.75; 10 lbs. for \$3.25.

O-34 Yellow Bottoms. Fine dry sets, medium in size and unspouted. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs. for \$3.25.

O-31 Red Bottoms. Bright, deep red in color, even and dry. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs. for \$3.25.

O-30 Golden Globe. Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper. Lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75; 10 lbs. for \$3.25.

O-35 Yellow Multipliers. Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb. Lb., 55c; 2 lbs., 95c; 5 lbs., \$1.90; 10 lbs. for \$3.65.

Garlic Sets

G-2 Selected Bavarian. In about 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement. Lb., 75c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

Chives

C-98 A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender. Pkt., 15c; ½ oz., 45c; oz., 85c.

Horseradish Sets

Horseradish. The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets. Doz., 50c; 100, \$2.50; 1,000, \$20.00.

Ten Thousand Garden Questions. Answered by 35 experts, edited by F. F. Rockwell. It solves most problems for the home gardener. Many diagrams and illustrations. 1467 pages \$4.95.



EGYPTIAN PERENNIAL SETS (Top Sets)

FOR FALL PLANTING

O-29 Egyptian or Red Perennial. For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop. Postpaid, lb., 50c; 5 lbs., \$2.15; 10 lbs., \$4.00.



L-2 LEEK ELEPHANT. Pkt., 15c.

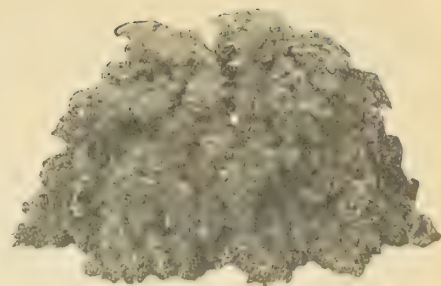
Leeks

LEEDS are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

L-2 Elephant. Largest of all leeks. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-4 Large Musselburg. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 15c; ½ oz., 40c; oz., 65c.

L-1 Broad Scotch or London Flag. Hardy; a strong plant, with broad leaves. Pkt., 15c; ½ oz., 40c; oz., 65c.



P-30 PARSLEY, Champion Moss Curled. 10c.

Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

P-30 Champion Moss Curled. In about 70 days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-34 Extra Triple Curled Parsley (Vaughan's XXX). 75 days. Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-33 Plain or Italian. 72 days. Not curled. However, the flavor is excellent and plant is very hardy. Pkt., 10c; oz., 25c; ¼ lb., 65c.

P-32 Hamburg Rooted. 90 days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional. Pkt., 10c; oz., 25c; ¼ lb., 65c.

Parsnips

PARSNIPS may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

P-42 All American (Marrowfat). 95 days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner. Pkt., 10c; oz., 40c; ¼ lb., 75c.

P-40 Hollow Crown, Long Smooth. About 95 days. Tender and sugary; one of the best. Pkt., 10c; oz., 35c; ¼ lb., 65c.



P-40 PARSNIP, HOLLOW CROWN. Pkt., 10c.



P-11 LITTLE MARVEL PEA. Pkt., 15c.

Sow Early for Success With Peas

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

DWARF

P-17 Wando. 64 days. A high quality heat resistant pea that is adapted to fall planting. See Novelty page 6. Pkt., 25c; ½ lb., 45c; lb., 75c; 2 lbs., \$1.35.

P-11 Little Marvel. 64 days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-7 Giant Stride. 74 days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

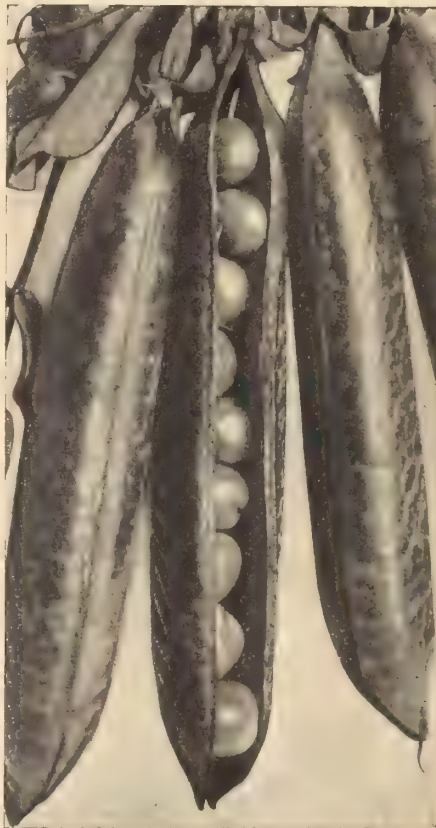
P-12 Nott's Excelsior. In 60 days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-13 Premium Gem. 60 days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-10 Laxton's Progress. 62 days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-8 Hundredfold. About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-5 Dwarf Telephone or Daisy. About 76 days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.



P-14 THOMAS LAXTON. Pkt., 15c.

Two Pounds Prepaid

Catalogue prices of peas, beans and sweet corn include prepayment on lots up to and including 2 pounds. For postage charges on larger lots, see page 96.

SEEDLESS-SET CONCENTRATE Make Every Tomato Flower Set Fruit

Apply with any spray to flowers of tomatoes, cucumbers, peppers, egg plants. Fruits produced by blossoms sprayed are seedless, of premium quality. Developed by famous Boyce, Thompson Institute. One-half ounce will treat 100 plants, \$1.00; 2 oz., \$2.50; 20 ounces, \$7.50, prepaid

Eat Your Own Peas Six Weeks for 40¢

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

Sow in Early Spring

ALASKA—Earliest

LITTLE MARVEL—Dwarf

THOMAS Laxton—Medium, Main Crop

1 Pkt. of each (3 pkts.),.....40c.
½ lb. of each (1½ lbs.),.....85c.
1 lb. of each (3 lbs.),.....\$1.35

Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

P-9 Improved Telephone. 74 days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

P-6 Green Bayou. 64 days. A cross between Thomas Laxton and Creole made by Dr. Miller of Louisiana State experiment station. This variety has resistance to heat and possesses a quality comparable to Alaska. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-15 World's Record or Improved Gradus. 57 days. Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-14 Thomas Laxton. About 62 days. The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

P-1 Alaska—Called Earliest of All. In about 57 days. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c; lb., 45c; 2 lbs., 85c.

EDIBLE POD PEAS

Cooked Like String Beans

P-4 Dwarf Gray Sugar. About 65 days. The pods, not the seed of this variety are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are stringless, brittle and succulent. Pkt., 15c; ½ lb., 35c; lb., 55c; 2 lbs., 95c.

Kohlrabi

SOW in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are striped and cooked like turnips, but are much sweeter.



VIENNA KOHLRABI EARLY WHITE. Pkt., 15c.

K-11 Early White Vienna.

55 days. White and tender. Pkt., 15c; ½ oz., 35c; oz., 55c.

K-10 Early Purple Vienna.

About 60 days. Pkt., 15c; ½ oz., 35c; oz., 55c.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 White Velvet. 70 days. Produces pods larger than any other. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-3 Tall or Perkins Mammoth. 68 days. The long pods, measuring 4 and 5 in. are produced in great quantities. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-2 Dwarf Long Pod. 65 days. Low, stocky and productive, with long pods. Pkt., 10c; oz., 25c; ¼ lb., 60c.

O-1 Clemson Spineless. 55 days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod. Pkt., 10c; oz., 25c; ¼ lb., 60c.



O-2 OKRA DWARF LONG POD. Pkt., 10c.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 Mammoth Sandwich Island. This variety is much more uniform in growth than the old standard "Long White" variety; it is twice the size and weight; the roots are of superior quality and flavor. Pkt., 10c; ½ oz., 35c; oz., 65c.

NO SEED HORMONE BLOSSOM SET

Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c postpaid; pint, makes 4 gallons, price each, \$1.75 postpaid.

Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.



P-61 PEPPER HUNGARIAN OR BANANA SWEET. Pkt., 15c.

P-65 Vaughan's Hybrid. 60 days. A true hybrid pepper that is exceptionally fine for home garden or market. Don't grow too many of this heavy yielding hybrid, or you'll be swamped with peppers all season. Plants set out when frost is over bear until the freeze-up their large, 4-lobed thick-fleshed fruit. A superior variety in every respect. Pkt., 60 seeds, 35c.



P-65 VAUGHAN'S HYBRID PEPPER. Pkt., 35c.

P-51 Bull Nose, Hot. 60 days. A pungent pepper. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-52 California Wonder. 75 days. A mild sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit. Pkt., 15c; ½ oz., 50c; oz., \$1.00.

P-57 Early California Wonder (Calwonder). Matures in about 65 days. A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4½ inches with thick flesh a deep green changing to bright crimson. Pkt., 15c; ½ oz., 50c; oz., \$1.00.

P-53 Cayenne. 70 days. Long, red, hot. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-58 Giant Magnum Dulce. 67 days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-59 Golden California Wonder. 80 days. The same as California Wonder except that the fruit turns a bright golden yellow. Pkt., 25c; ½ oz., 65c; oz., \$1.20.

P-59 Harris' Early Giant. 63 days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; peppers 4 x 4½ inches. Color, deep green turning to red, very sweet. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-60 Hungarian or Banana (Hot). 65 days. A slender hot pepper much prized for canning. It is 1½ inches in diameter at the base and often 7 inches long. Yellow turning to red. Pkt., 15c; ½ oz., 50c; oz., 90c.

P-61 Hungarian or Banana (Sweet). 65 days. Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers. Pkt., 15c; ½ oz., 60c; oz., \$1.15.

P-63 King of the North. 64 days. A sweet medium, short and blocky. Not quite as early as Early Giant. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-64 Large Bell. 60 days. Large, mild. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-62 Patrick Henry. 58 days. The earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop. Packets only, 25c.

P-68 Pimento Perfection. 73 days. Flesh thick and very mild. Must be started early in the north to mature. Pkt., 15c; ½ oz., 45c; oz., 85c.

P-70 Ruby King. In 68 days. One of the most popular growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor. Pkt., 15c; ½ oz., 40c; oz., 75c.

P-69 Red Chili. 75 days. An exceptionally prolific variety that is really hot. The fruit are thin-fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use. Pkt., 15c; ½ oz., 45c; oz., 75c.

P-71 Sunnybrook. 73 days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet. Pkt., 15c; ½ oz., 50c; oz., 90c.

WOMAN'S HOME COMPANION GARDEN BOOK

Edited by JOHN C. WISTER

Director of the Arthur Hoyt Scott Horticultural Foundation and the John Tyler Arboretum in Pennsylvania. Specific chapters written by 50 horticultural experts. A complete guide to every phase of planning and cultivating flowers, vegetables, shrubs, trees, lawns and vines, with specific directions for the six temperate zones found in North America. Packed with illustrations. 24 full pages in gorgeous natural color; 56 full page photographs; 200 line drawings. Over 1,000 pages \$4.95 postpaid



SMALL SUGAR PIE PUMPKIN. Pkt., 10c.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and Jack O'Lanterns.

P-97 Small Sugar Pie Pumpkin. 110 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

Cushaw. 110 days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

P-92 White. P-91 Striped. P-90 Golden.

P-96 Mammoth Prize. About 120 days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., \$2.25.

P-98 Winter Queen or Winter Luxury. About 100 days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

P-93 Kentucky Field (Large Cheese). About 120 days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

P-95 Large Field or Big Tom. 110 days. A standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



PUMPKIN "BIG TOM" Pkt., 10c.

Radishes for All Season

RADISHES from April to December are possible for the home gardener who sows early, midseason, summer and winter types. Radishes supply, in a 2 oz. portion, 6IU of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.

Sow with earliest crops, ½ inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to mark the row. Harvest when large enough to eat. Summer and winter types have longer harvest.

(F.) Forcing Sorts.

R-9 Cherry Belle. 25 days. All American winner, 1949. See Novelty Page 7. Pkt., 25c; oz. 35c; ¼ lb., 65c; lb. \$1.75.

Early Scarlet Globe Select. (F.) 23 days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

R-11 Short Top. Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., \$1.50.

R-10 Medium Top. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.



R-11 RADISH SCARLET GLOBE SHORT TOP. Pkt., 15c.

R-13 Icicle. 27 days. The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

R-14 French Breakfast. (F.) 25 days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

R-22 Cavalier. 23 days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this. Pkt., 15c; 1 oz., 25c; ¼ lb., 50c; lb., \$1.50.

R-12 Giant Butter. 28 days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk. Pkt., 10c; oz., 20c; ¼ lb., 50c.

R-7 Crimson Giant. (F.) 28 days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.



R-18 SCARLET TURNIP WHITE TIP RADISHES. Pkt., 10c.

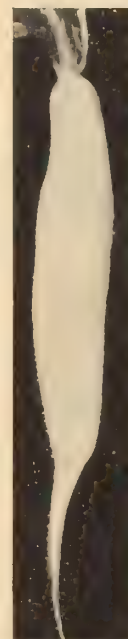
R-3 Brightest Long Scarlet. 26 days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

R-6 Cincinnati Market. 28 days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

R-18 Scarlet Turnip White Tip (Sparkler). 26 days. Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.25.

R-20 White Box—(Early White Turnip). 20 days. Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp. Pkt., 10c; oz., 25c; ¼ lb., 60c.

SUMMER RADISHES



R-21 White Strassburg. 40 days.

When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

WINTER RADISHES

THESE should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following, pkt., 10c; oz., 25c; ¼ lb. 60c; lb., \$1.65.

R-4 California Mammoth Winter. About 60 days. Long, very large size.

R-16 Rose or Scarlet China. About 52 days. Rose, medium size, fine keeper.

R-5 Chinese Mammoth or Celestial. About 60 days. Immense size, flesh always crisp and mild.

R-1 Black Spanish, Long. 58 days. Black skin and white flesh.

R-2 Black Spanish, Round. 56 days. Like Long Black, only round.

R-13 RADISH ICICLE. Pkt., 10c.

Green Leafy Crops

Richest of All in Vitamins

Swiss Chard

BEARS ALL SUMMER

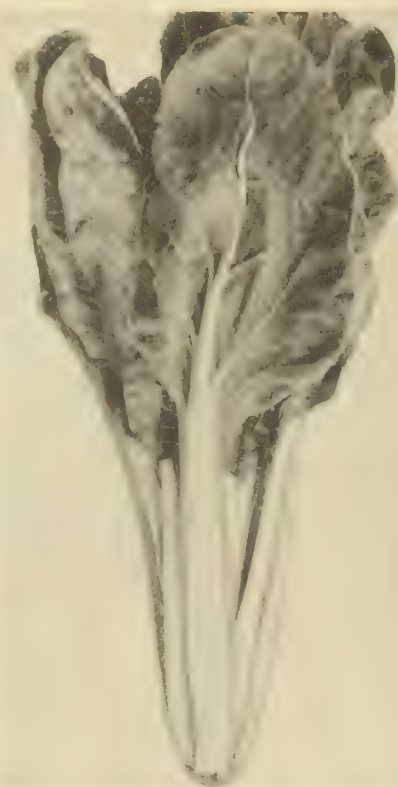
S-89 Summer Spinach. 45 days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-88 Lucullus. About 52 days. A new Moss Curled sort. Very large leaves. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-87 Large White Rib. (Dark Green). 55 days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-86 Fordhook. 57 days. This variety resembles Lucullus, but is a darker green. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-90 Rhubarb Chard. A recent introduction having all the chard characteristics excepting mid rib. Pkt., 10c; oz., 35c; ¼ lb., 95c.



S-87 SWISS CHARD. Large White Rib. Pkt., 10c

Kale or Borecole

GREENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Frost improves flavor.

K-1 Dwarf Green Curled. In about 55 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. Pkt., 10c; oz., 30c; ¼ lb., 90c.

K-3 Tall Green Curled. About 75 days. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

M-76 Tendergreen. A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

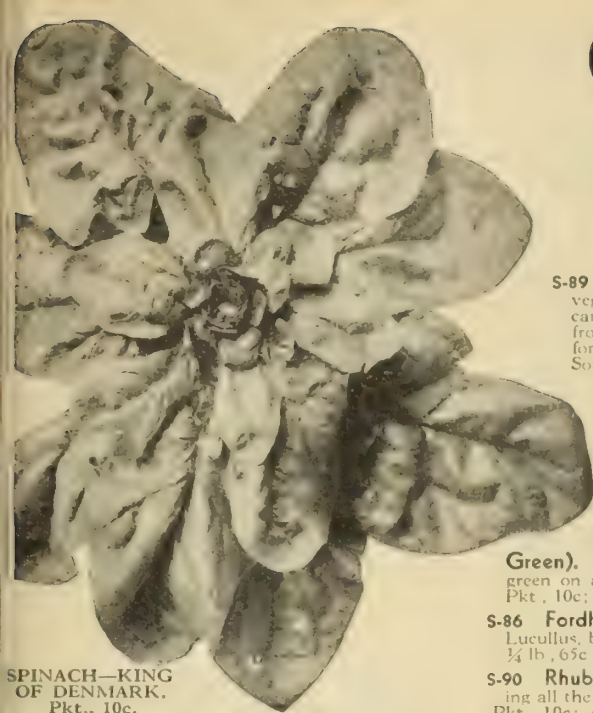
M-72 Florida Broadleaf. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

M-73 Giant Southern Curled. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

M-74 Improved Ostrich Plume (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

PROPAGATION OF PLANTS. By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$4.50.

Vaughan's Seed Company 69



SPINACH—KING OF DENMARK. Pkt., 10c.

Spinach

SPINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. New Zealand Spinach, however, is better sown in early spring as soon as the ground may be worked. The value of spinach in the diet has been scientifically established by the vitamin investigation.

S-13 America. All America Silver Medal, 1952. An extremely long-standing variety with Savoy type leaves, latest of this type. Pkt., 25c.

S-9 Nobel Giant Thick Leaved. 45 days. The largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-12 Viking. 45 days. This 1935 All-America winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-7 King of Denmark (Antvorskov). 48 days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 25c; ¼ lb., 65c.

S-6 Bloomsdale Long Standing. 45 days. Improvement was accomplished through the selection of bisexual plants which seed more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-5 Bloomsdale Dark Green. 43 days. The leaf is of a darker green than Bloomsdale Long Standing. Pkt., 10c; oz., 20c; ¼ lb., 50c.

S-10 Old Dominion. 40 days. An improvement over Virginia Blight Resistant being a longer standing variety. Pkt., 10c; oz., 20c; ¼ lb., 50c.



SINGLE PLANT OF NEW ZEALAND SPINACH. Pkt., 10c.

NEW ZEALAND SPINACH

Sow in Early Spring

S-8 New Zealand Spinach. Tetragonia Expansa. 60 days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

GARDEN SORREL

S-3 Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years. Pkt., 15c; oz., 75c.

GREENHOUSE GARDENING FOR EVERYONE. By Ernest D. Chabot. Here for the first time is a book giving the principles of gardening under glass in down-to-earth language. Every phase is covered from a 2x4 cold frame to a small or large heated greenhouse. 366 pages. \$4.00.

Squash Improved in Taste and Texture



REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.
FRONT, SWEET POTATO IMPROVED.

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

WINTER VARIETIES

S-40 Uconn. 75 days. A bush type of Acorn (gold medal winner 1950 All America). See Novelty page 6. Pkt., 25c; oz., 65c; $\frac{1}{4}$ lb., \$1.85.

S-20 Acorn, Table Queen or Des Moines. 80 days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape, $5\frac{1}{2}$ inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c; lb., \$2.50.

S-24 Butternut. 100 days. A recent introduction which has become very popular. Delicious when used for pies and excellent either baked or boiled. Resistant to stem borer. Pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

S-23 Buttercup. 100 days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter, slightly ribbed, deep dull green faintly striped and flecked with dull gray. Prominent button at blossom end, dry and of excellent quality. Pkt., 15c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

S-30 Sweet Potato Improved. (Delicata Resistant). 100 days. Its vigorous vine, resistant to mosaic disease, produces fruits averaging 8 to 9 inches, $3\frac{1}{2}$ to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of unsurpassed sweetness. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

Delicious (Green or Golden). In 102 days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.

S-27 Green. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

S-29 Golden. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

S-25 Chicago Warted Hubbard. 110 days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

S-31 "Kitchenette" (Hubbard). 110 days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 95c.



S-22 SQUASH BLUE HUBBARD, Pkt., 10c.

S-22 Blue Hubbard. 110 days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

S-35 Improved Hubbard. In 110 days. Not as large as Chicago Warted, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

VEGETABLE MARROWS

S-39 Caserta. 60 days. An Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana. Pkt., 25c; oz., 65c; $\frac{1}{4}$ lb., \$1.85.

New Italian Marrow. (Zucchini). 60 days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.

S-34 Light Green or Gray Strain. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

S-33 Dark Green or Black Strain. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

S-26 Cocozelle (Italian Vegetable Marrow). Ready in about 65 days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 85c.

S-28 English Vegetable Marrow. About 100 days. (Cucurbita Pepo.) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 85c.

OTHER TYPES

S-36 Prolific Straightneck. 55 days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

S-32 Mammoth White Bush. About 60 days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

S-37 Giant Yellow Summer Crookneck. In about 55 days. Our strain produces fruit, nearly double the size of the old "Crookneck." (Cucurbita Pepo.) Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.

S-21 Banana Squash. In 105 days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., 80c.

S-38 Yellow Summer Crookneck. Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and $3\frac{1}{2}$ inches through; neck curved, skin orange, flesh yellow, moderately warted. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 75c.



T-93 TURNIP PURPLE TOP WHITE GLOBE.
Pkt., 10c.

Turnips

TURNIPS are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored.

T-93 Purple Top White Globe. 57 days. Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

T-92 Purple Top Strap-Leaved. About 46 days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

T-88 Early White Milan. In 42 days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

T-95 Shogoin. 30 days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphid and plant lice. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

T-94 Seven Top. 30 days. A variety much grown in the south for the tops, which are used as greens. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 35c.

T-89 Extra Early Purple Top Milan. About 42 days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c.

Rutabagas

Mature in 90 days.

R-31 Improved American Purple Top. Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 65c.

R-32 Laurentian. A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 65c.

Tomato is No. 1 Home Garden Crop

WILT RESISTANT

T-29 Queens. 76 days. New Red for 1952, bred by L. G. Schermerhorn of New Jersey Experiment Station. A cross between Rutgers and Valiant, giving early maturity to Rutgers type of fruit. Pkt., 25c; ½ oz., \$1.00.

T-18 Garden State. 83 days. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and solid. Pkt., 15c; ½ oz., 45c; oz., 85c

T-30 Marglobe. 77 days. Second-early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 35c; oz., 60c.

T-31 Marglobe, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c

T-39 Rutgers. 86 days. A New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 10c; ½ oz., 35c.

T-40 Rutgers, Certified. Pkt., 15c; ½ oz., 40c; oz., 75c.



T-18 TOMATO GARDEN STATE. Pkt., 15c.

OTHER POPULAR VARIETIES

T-32 New Globe. Matures in about 82 days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 10c; ½ oz., 50c; oz., 95c

T-23 Improved New Stone. 86 days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 10c; ½ oz., 30c; oz., 50c

T-24 Improved New Stone, Certified. Pkt., 15c; ½ oz., 40c; oz., 65c

T-14 Dwarf Stone. The Largest Dwarf Tomato 92 days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 10c; ½ oz., 50c; oz., 95c

SMALL FRUITED TOMATOES

For Pickles and Preserves. 73 days.

T-53 Red Currant. Very small.

T-52 Red Cherry. Small fruit, bright scarlet.

TWO PEACH TOMATOES

T-54 Red. **T-57 Yellow.**

FRUIT 2-INCHES

T-59 Yellow Plum. **T-58 Yellow Pear.**

T-50 Ground Cherry, Husk or Strawberry. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies. Any of the above pkt., 10c; ½ oz., 40c; oz., 75c.

T-51 Italian Canner. 75 days. A very productive, long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

FOR GREENHOUSE

T-45 Livingston Globe. Pink. Pkt., 25c.

T-46 Michigan State Forcing. Red. Pkt., 25c

Tobacco Seeds

T-3 Connecticut Seed Leaf. Best adapted to northern states. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-2 Burley. Pkt., 10c; ½ oz., 40c; oz., 75c.

Rhubarb

R-27 Mammoth. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 35c; ¼ lb., \$1.00

R-26 Victoria. A popular red strain. Pkt., 10c; oz., 35c; ¼ lb., \$1.00

Rhubarb Roots. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add zone rate postage. 1 lb. for 1 root; 2 lbs. for 3 roots; 3 lbs. for 6 roots; 5 lbs. for 10 roots.)

Chipman's Canada Red. Stems dark red clear to heart. Makes a sweet, fine flavored, beautiful red, sauce. Divisions, 75c; 3 for \$2.00; 10 for \$6.00

McDonald Crimson, Divisions. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 60c; 3 for \$1.65; 10 for \$5.00

Victoria, 2 years, each, 50c; 3 for \$1.00; 10 for \$2.50

Vaughan's Seed Company 71

HYBRID TOMATOES

T-44 Vaughan's Early Hybrid. 68 days. A heavy yielding, very early and large fruited variety. Novelty page 6. Pkt., 25c.

T-28 Vaughan's Hybrid. 77 days. A very heavy producer of deep globed bright red fruit that weigh an average of 5 to 6 ounces. The fruit are borne in clusters of 4 or 5 on large vines. Pkt., 25c.

LARGE TOMATOES

T-19 Giant Tree. The most outstanding large tomato for size and quality, for description see Novelty Page 6. Packets only. 50c.

T-36 Ponderosa. Matures in about 88 days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 10c; ½ oz., 50c; oz., 95c.

T-34 Oxheart. Matures in about 90 days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

T-12 Crimson Cushion or Beefsteak. In about 96 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c; ½ oz., 65c; oz., \$1.25.

EARLY, SMALL VINES

Do Not Prune.

T-16 Early Chatham. 60 days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-7 Bounty. 65 days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota Experiment Station. Excellent for the home garden, very productive. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-17 Firesteel. 68 days. A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red of semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c; ½ oz., 50c; oz., 90c.

EARLY, LARGE VINES

T-41 Earliana. 66 days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 10c; ½ oz., 45c; oz., 85c.

T-25 John Baer. About 70 days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-26 John Baer, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

T-5 Bonny Best. 74 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-6 Bonny Best, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

No Seed Hormone Blossom Set. For Tomatoes and other vine crops such as Peppers, Cucumbers, Egg Plant, Squash, etc. Spray blossoms to insure seedless and earlier crops. Price 4 oz., 25c. Makes 1 gallon solution. Pint, \$1.75.

Garden Guide. This book of 576 pages, with 300 illustrations, was written by 28 authors. It deals with every phase of home gardening, including vegetables, flowers, trees and shrubs, canning and preserving. \$3.50



T-39 TOMATO RUTGERS. Pkt., 10c.

T-38 Pritchard (Scarlet Topper). 76 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 10c; ½ oz., 40c; oz., 70c.

T-37 Pritchard, Certified. Pkt., 15c; ½ oz., 45c; oz., 80c.

T-47 Valiant. 70 days. Maturing after Earliana but before Rutgers. Valiant will yield a fine crop, averaging 7 ounces per fruit. The fruits are smooth, heavy, solid and of fine quality, with a sparse vine growth; preferable where early maturity is paramount. Pkt., 20c; ½ oz., 55c; oz., 95c

T-22 Wisconsin 55, Certified. 83 days. A new, very fine red main crop variety that matures slightly ahead of Rutgers. Pkt., 15c; ½ oz., 55c; oz., 95c.

T-8 Break O'Day. 70 days. A wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 40c; oz., 75c.

T-9 Break O'Day, Certified. Pkt., 15c; ½ oz., 50c; oz., 90c.

BEST YELLOW VARIETY

T-27 Jubilee. 80 days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c; ½ oz., 50c; oz., 95c.

Vaughan's Gladioli

Lake Geneva Collection GLADIOLI

Ten of each of the following ten representative varieties of Gladioli (100 first size Bulbs) will be sent **\$7.00** postpaid, for

- 10 Elizabeth The Queen, Large Lavender
- 10 Margaret Wood, Wine Purple
- 10 Valeria, Red
- 10 Gratitude, Orange
- 10 Spotlight, Yellow
- 10 Picardy, Apricot Pink
- 10 Astrid, Rose
- 10 Ethel Cave-Cole, Light Pink
- 10 Ravel, Blue
- 10 Florence Nightingale, White

Please allow us to substitute other varieties if we are sold out when your order is received.

BEST OF THE NEW INTRODUCTIONS

25 Bulbs of Any Variety Take the 100 Rate

- GL101 ASTRID (Jack).** Ex. Distinctive clear medium rose with narrow throat line and slight feather. The color is well liked by florists for cut flowers. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL102 BEAUTY'S BLUSH (Fischer).** Ex. Soft blush pink, opening seven recurved florets on a long flower spike. Robust grower, and excellent cut flower. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL103 BENJAMIN BRITTEN (K&M).** Ex. A new, deep toned lavender approaching light purple. The 5-inch florets are well placed on a 6 foot spike. Early and strong grower. Each, 30c; doz., \$3.00; 100, \$20.00.
- GL104 BETTY DUNCAN (Benedict).** Ex. Clear orange with golden throat. Does not burn in the sun. Tall plant with up to 7 4½ inch blooms open. Each, 20c; doz., \$2.00; 100, \$15.00.
- GL106 BIRCH RED (Rich).** Ex. One of best medium dark reds. Tall and straight with 7 blooms open and as many showing color. Each, 30c; doz., \$3.00; 100, \$20.00.
- GL107 BLUE LAGOON (Snyder).** Ex. Medium deep blue, lighter in the throat. Darker than Blue Boy. Opens 4-6 large blooms. Better performer than most blues. Each, 15c; doz., \$1.25; 100, \$8.00.
- GL108 BOISE BELLE (Roberts).** Dec. Yellow petals have picotée edging of pink. Opens 9 to 12 4 inch florets on tall spike. Each, 40c; doz., \$4.00; 100, \$30.00.
- GL109 BUCKEYE BRONZE (Wilson).** Ex. Outstanding old rose and bronze with distinct orange shading. Opens 6 to 8 florets on strong spike. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL110 BURMA (Palmer).** Deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. Fine exhibition variety. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL114 CONCORD (Kuhn).** Ex. One of the earliest purples. Large glowing royal purple shading darker in the throat. Opens 6 well placed blooms on a tall slender plant. Very good propagator. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL115 CONNECTICUT YANKEE (Schenetsky).** Ex. A huge light pink with rose throat. Opens 8 to 10 florets on medium tall spike. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL116 COVER GIRL (La Salle).** Ex. Giant medium pink that opens 10 to 12 large florets at the same time and grows up to six feet tall. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL117 DAISY MAE (Lins).** Ex. Orange-pink with a cherry throat blotch. Opens 8 large blooms on 18 bud spike. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL121 DIEPPE (Hassel).** Ex. Dazzling salmon scarlet with deeper blotch. Florets are frilled, and seven open together on a long spike. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL122 ESQUIRE (Ficht).** Ex. Bright scarlet dusted with gold. Seven inch florets on flowerheads carrying 20 to 24 buds, opening 7 to 12. Each, 40c; doz., \$4.00; 100, \$30.00.
- GL123 EVANGELINE (Palmer).** Ex. Light buff pink, with a creamy yellow throat. It opens 8 to 9 huge ruffled blooms on a flowerhead of 20 to 22 buds. Foliage tall and broad and disease resistant. Each, 30c; doz., \$3.00; 100, \$20.00.



COVER GIRL



CONNECTICUT YANKEE



KELSEY

- GL124 FLORENCE NIGHTINGALE (Harris).** Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Each, 20c; doz., \$2.00; 100, \$15.00.
- GL125 FRIENDSHIP (Fischer).** Ex. Bright true pink, blended with cream and white throat. It is a sensational propagator from small bulbs, and one of the first to bloom. Each, 35c; doz., \$3.50; 100, \$25.00.
- GL126 GENE (Farrington.)** Dec. A good ruffled medium yellow. 6 to 8 florets open at one time, well placed on a strong straight stem. Each, 20c; doz., \$2.00; 100, \$15.00.
- GL127 GOLD METAL (Beardmore-Krueger).** Ex. A giant buff yellow, practically without competition on the show table. Plants reach 5 feet, flowerhead 24 inches, carrying 16 buds and opening 4 to 5. Each, 40c; doz., \$4.00; 100, \$30.00.
- GL131 GOLDEN ARROW (Pruit).** Ex. Clear yellow florets without green tinge, are 5½ inches. On a spike of 18 buds, 8 will open together, and 6 show color. Grows five feet tall, straight and strong. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL132 GOLDEN STATE (Wheeler).** Dec. Clear rich medium yellow with a pink feather in the throat. Opens a double row of 8 to 10 blooms on a long flower head. Two for 20c; doz., \$1.00; 100, \$6.00.
- GL133 GRATITUDE (Fischer).** Ex. Its ruffled orange florets are similar in color to Barcarolle, but much larger, averaging 5½ inches, on a taller spike, which opens five to seven florets together. An early midseason bloomer. Each 15c; doz., \$1.50; 100, \$10.00.
- GL134 GEN. EISENHOWER (Salman)** Ex. Large deep salmon rose from Holland. Opens 7 to 8 large florets on a tall spike. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL135 HARRY HOPKINS (Salman).** Ex. Large deep red with slight purplish shading. Opens 6 to 8 well placed blooms on a tall straight stem. One of the best dark reds. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL136 HEART'S DESIRE (Fiedler).** Ex. Heavily ruffled light pink shading to white with yellow throat. Heavy white midribs. Strong husky grower. Opens up 6 or more 6½ inch florets on a spike of 18 to 20 buds. Opens well to the tip. Has been a heavy winner at the shows. Each 35c; doz., \$3.50; 100, \$25.00.
- GL137 HUNTRESS (Jack).** Ex. Very early lavender pink, opening 6 to 8, 4½ inch florets perfectly placed on a stem of medium height. Two for 25c; doz., \$1.00; 100, \$7.00.
- GL141 INTRUDER (Graff).** Ex. Giant flame red, with small orange feather on base petals and trace of duobonnet in throat. Of exhibition type but its heavy propagation makes it a good commercial also. A winner at many prominent shows. Each, 35c; doz., \$3.50; 100, \$25.00.
- GL142 KELSEY (Yates).** Ex. A ruffled sport of Picardy of much the same coloring, light salmon-pink blending to clear cream throat with no markings. Of 20 buds, seven to nine 5½ inches across will open together, and five will show color. Reaches 65 inches in field, stem willowy, placement better than its parent. Two for 20c; doz., \$1.00; 100, \$7.00.
- GL140 LEEUWENHORST (Salman).** Ex. Tall, with huge flowers of light rose tinted lavender. One of the strongest growers and largest flowers. Vigorous grower and good propagator. Each, 15c; doz., \$1.50; 100, \$10.00.

- GL143 LADY BOO (Graff).** Ex. Pure shell pink self-color, delicate and dainty, on strong, straight stems which never come crooked. It opens well in water to the tip bud. A decorative variety of highest quality. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL144 MARIMBA.** Ex. Large florets of light buff sometimes tinged with pink with small feather in throat. Always opens 8 or more well placed bloom on long spike. Two for 20c; doz., \$1.00; 100, \$7.00.
- GL145 MARGARET WOOD (Marshall).** Ex. Very large wine purple with light stripes and slightly deeper throat. Opens 8 large florets on tall spike. A show winner. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL146 MARGUERITE (Pommert).** Dec. The stem is strong and sturdy, and needs no staking. The florets open and keep well when cut in the bud. It has never been known to fleck nor crook. Five to six open florets, six to seven inches across. Fourteen to sixteen buds. The color is a rich, deep watermelon pink, with large cream throat and Picardy throat markings. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL147 MISS WISCONSIN (Kreuger).** Ex. A beautiful rose-pink that is outstanding. Opens 6 to 8 five-inch florets on a medium height plant. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL151 OCTOBER SUNSHINE (Quackenbush).** Ex. An outstanding cut flower variety, orange with golden yellow throat. Opens 5 to 6 recurved florets on an 18 bud spike with 8 buds showing color. Each 20c; doz., \$2.00; 100, \$15.00.
- GL152 ORANGE GOLD (Marshall).** Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Each, 15c; doz., \$1.25; 100, \$8.00.
- GL153 ORIENTAL PEARL (Carlson).** Ex. A giant cream colored variety which some prefer to Leading Lady. Florets sometimes measure 7 inches across; with 4 to 6 open at the same time. A vigorous grower, and heavy propagator. Two for 20c; doz., \$1.00; per 100, \$6.00.
- GL154 PACTOLUS (K & M).** Ex. Apricot cream with orange red blotch, opens 8 to 10 well placed florets. Of medium height but exceedingly showy. Each, 15c; doz., \$1.50; 100, \$10.00.
- GL155 PARTHENA (Hitchcock).** Ex. A striking deep mauve-lavender. It will open 8 blooms on a 55 inch spike with a long flowerhead. The 5½ inch blooms are perfectly placed and are ruffled and fluted. Each, 30c; doz., \$3.00; 100, \$20.00.
- GL156 PHANTOM BEAUTY (Bastian).** Ex. Light pink florets, 5½ inches across, ruffled and open wide, perfectly placed with formal effect. Of 22 buds, 12 will open together and 6 show color. Blooms in 80 days, grows five feet tall, propagate well. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL157 RAVEL (K & M).** Ex. One of the best new blues. Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Each 15c; doz., \$1.50; 100, \$10.00.
- GL161 RED CHERRY (Roberts).** Ex. Early brilliant scarlet with darker throat. Opens 6 to 7 blooms which often are large enough to be in the 500 class. Form resembles Picardy. Each, 25c; doz., \$2.50; 100, \$18.00.
- GL162 RED WING (Graff).** Ex. An exhibition red which opens 10 large blooms with 6 more showing on a head of 22 buds. Opens well when cut tight. Each 40c; doz., \$4.00; 100, \$30.00.

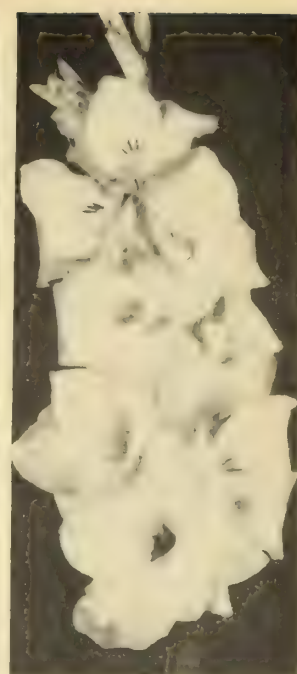
- L163 REGAL RED (Fischer).** Ex. Tall vigorous scarlet red. Six florets open at one time and can be grown up to 7½ inches without overlapping. Late bloomer. Each, 30c; doz., \$3.00; 100, \$20.00.
- L164 SHERWOOD (Pruitt).** Ex. Beautifully ruffled deep purple with darker blotch. Tall grower, opens 5 to 6 large blooms. Each, 40c; doz., \$4.00; 100, \$30.00.
- L165 SILVER WINGS (Ritsema).** Ex. A white sport of Picardy. Opens 7 or 8 florets with most of the remaining buds showing color. Florets are 6 inches across and very ruffled. Each, 15c; doz. \$1.50; 100, \$10.00.
- L166 SKYWAY (Stevens).** Ex. Early flowering clear light pink with white and cream throat. Opens 7 on a 32-inch flowerhead of 18 to 20 buds. The 5½-inch florets are firmly attached on a 5½ inch spike. Each, 40c; doz., \$4.00; 100, \$30.00.
- L167 SPARKS (Glass).** Ex. Glistening light yellow with orange scarlet feather on lower petals. Opens 7 large triangular blooms with a total of 16 to 18 buds. One of the showiest. Each, 20c; doz., \$2.00; 100, \$15.00.
- L171 SPIC AN SPAN. (Carlson).** Ex. Giant, deep pink ruffled florets, 10 open of its 22 buds together, with all the rest showing color. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Each, 20c; doz., \$1.80; 100, \$13.00.
- L172 SPOTLIGHT (Palmer).** Ex. Clean medium yellow with a small red throat blotch. Spotlight is one of the finest glads grown. Florets are of large size and are perfectly placed. It will open 7 and is a very good keeper. Two for 25c; doz., \$1.25; 100, \$8.00.
- L173 SUNSPOT (Roberts).** Ex. Outstanding apricot buff with rose throat. Opens 8 to 9 florets on a tall spike. Fine propagator and consistent ribbon winner. Each, 35c; doz., \$3.50; 100, \$25.00.
- L174 TIVOLI (K & M).** Ex. Clear soft rose. Opens 8 large florets on tall spike. Very fine for cut flowers. Two for 20c; doz., \$1.00; 100, \$6.00.
- L175 TROCADERO (Lins).** Ex. Brilliant rich orange. An entirely new color. Opens 6 or more 5½ inch florets on a 3 foot spike. Each, 35c; doz., \$3.50; 100, \$25.00.
- L176 VALERIA (Pruitt).** Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Two for 20c; doz., \$1.00; 100, \$6.00.
- L177 VELVET MANTLE (Fisher).** Ex. Rich maroon with silken sheen not equalled by any glad in this color. Opens 5 to 9, five-inch round florets, well placed on a spirallike spike. Healthy and heat-resistant. Each, 35c; doz., \$3.50; 100, \$25.00.
- L181 WEDGEWOOD (Fischer).** Ex. Waxy ruffled new lavender with cream throat. Opens 4 to 5 medium size florets on medium tall spike. Each, 30c; doz., \$3.00; 100, \$20.00.



KING LEAR



SPIC AN SPAN



HAWKEYE RED

RED

- GL211 BEACON (Palmer).** Ex. Salmon-scarlet with cream throat. Tall spike, eight florets open at once. Two for 20c; doz., 75c; 100, \$5.00.
- GL212 BLACK OPAL.** Ex. Deep maroon, somewhat marbled. Makes tall, exhibition spikes, 10 open, 22 buds. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL213 HAWKEYE RED (Heaton).** A sport of Vagabond Prince, identical save for color. It may be even a bit larger and wider open. Tremendous propagator and easy grower. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL214 RED CHARM (Butt).** Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL215 STOPLIGHT (Lins).** Dec. A brilliant red of consistent performance and excellent heat resistance. The lightly ruffled blooms are flat, wide open and well placed. Two for 25c; doz., \$1.00; 100, \$7.00.

WHITE

- GL261 CORONA (Palmer).** Dec. Creamy white with wide rose picotee edge on all petals. Very distinctive and beautiful. 6 to 8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Each, 15c; doz., \$1.25; 100, \$8.00.
- GL262 LEADING LADY (Johnston).** Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL263 MARGARET BEATON (Twomey).** Ex. New immense white with orange-scarlet blotch. Two for 20c; doz., \$1.00; 100, \$5.00.
- GL264 SILENTIUM (Pfitzer).** Dec. A striking white, with cream center containing a small carmine marking. Slender stems, excellent placement and good propagator. Two for 20c; doz., \$1.00; 100, \$5.00.
- GL265 SNOW PRINCESS (Pfitzer).** Ex. Tall white with long flower spike and many open blooms that are always perfectly placed. Mid-season. Two for 20c; doz., 75c; 100, \$4.00.
- GL266 WHITE GOLD (Scheer).** Ex. Clear light cream shading to golden throat. 4 to 6 very large well placed blooms open at one time. Two for 20c; doz., \$1.00; 100, \$6.00.

YELLOW

- GL251 GELBER HERALD (YELLOW HERALD) (Pfitzer).** Dec. Amber yellow, carmine in the throat. The large wide open flowers are well placed and spaced on a strong stem. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL252 GOLD DUST (Pfitzer).** Dec. New deep yellow. Two for 20c; doz., \$1.00; 100, \$6.00.
- GL253 MOTHER KADEL (Kadel).** Dec. Clear medium yellow with no markings. Well placed blooms. Tall spike. Two for 25c; doz., \$1.00; 100, \$7.00.
- GL254 YELLOW EMPEROR (Ellis).** Dec. Clear deep yellow. Two for 20c; doz., \$1.00; 100, \$6.00.

BLUE AND PURPLE

- GL231 ABU HASSAN (Pfitzer).** Dec. Clear dark blue medium size bloom on a tall straight spike. Excels Pelgrina both in color and growth. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL232 BLUE BEAUTY (Pfitzer).** Ex. Light blue, darker toward the edge. Large wide open flowers. Strong grower. Two for 25c; doz., \$1.25; 100, \$8.00.
- GL233 KING LEAR (Palmer).** Ex. Very early. Clear deep purple with silver line on edge of all petals. Very large heavily waved and ruffled 5 to 6 open. Two for 20c; doz., \$1.00; 100, \$6.00.
- GL234 PAUL RUBENS (Salman).** Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike. Each, 15c; doz., \$1.25; 100, \$8.00.
- GL235 PURPLE SUPREME (Wilson).** Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Two for 25c; doz., \$1.00; 100, \$7.00.

LAVENDER

- GL241 ELIZABETH THE QUEEN (White).** Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Two for 20c; doz., \$1.00; 100, \$7.00.
- GL242 MINUET (Coleman).** Ex. Large light lavender. We recommend it. Two for 20c; doz., \$1.00; 100, \$7.00.

ORANGE

- L221 BARCAROLLE (Palmer).** Light orange salmon. Each, 15c; doz., \$1.50; 100, \$10.00.
- L222 DEARBORN (Vaughan).** Dec. Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six in. in diameter. Each, 15c; doz., \$1.25; 100, \$8.00.

BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions we ship bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing.

To Kill Gladiolus Thrips

We recommend D.D.T. for gladiolus thrips. For those who prefer it we can supply Tartar Emetic.

D. D. T. 5% DUST. A ready-mixed garden dust; safe on all plants. 1 lb., 35c, postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50.

TARTAR EMETIC. After plants have reached 6 inches in height, spray weekly with the following formula: ¼ lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

Tartar Emetic, postpaid for ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.25.

Vaughan's "Standard" Mixture: 50 Bulbs. First Size . . \$2.50

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 75c, postpaid; by express, not prepaid, 50 for \$2.50; 100 for \$4.75; 250 for \$11.00; 500 for \$20.00; per 1,000, \$35.00.

Special Gladioli Mixture No. 4 size prepaid 6 for 25c; 50 for \$1.50; 100 for \$2.00.

Hardy Lilies for Spring Planting

NO ORDERS ACCEPTED AFTER
APRIL 10th, 1952

HARDY lily bulbs, of 1950 crop, carried over the winter in cold storage, may be planted in the spring, and will blossom in mid-summer, when the garden needs their glory.

They are especially suitable for planting in borders, and enjoy a position where they are protected by the shade of surrounding plants. Light, well-drained soil is recommended. Bulbs should be planted 6 to 8 inches deep.

Many varieties develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely.

Auratum Platyphyllum. (Improved Auratum)
—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. 8-9 inch. Each, 55c; doz., \$5.50; 100, \$40.00. 9-11 inch. Each, 75c; doz., \$7.50; 100, \$55.00.

Auratum. The Gold-Banded Lily grows four to seven feet tall, blooming in July and August. 8-9 inch. Each, 45c; doz., \$4.50; 100, \$35.00. 9-11 inch. Each, 55c; doz., \$5.50; 100, \$40.00.

Lilium Hansoni. The flowers are a deep orange-yellow shade, spotted brown. Three to four feet high, blooming during the latter part of June. Plant in semi-shade. Each, 50c; doz., \$5.00; 100, \$35.00.

Lilium Henryi. A beautiful lily from China growing four feet to eight feet, and carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August. Each, 55c; doz., \$5.50.

Lilium Regale. The large, trumpet-shaped flowers are white, with yellow center, while the exterior of the petals is pink. It is a strong grower, three or four feet, of delightful fragrance.

First Size, 6-7 in. in circumference. Each, 20c; doz., \$1.75; 100, \$13.00.

Select Size, 7-8 in. in circumference. Each, 30c; doz., \$3.00; 100, \$20.00.

Lilium Speciosum Rubrum. Flowers are white, flushed pink, heavily spotted with carmine. The stem is four feet high and the flowers face downward and roll back their petals. August and early September bloomer. Plant eight to ten inches deep. First Size, 8-9 inch. Each, 35c; doz., \$3.50; 100, \$25.00. 9-11 inch. Each, 55c; doz., \$5.50; 100, \$40.00.

Lilium Phillipinense Formosanum. A graceful lily with long trumpet flowers, slightly marked externally with reddish-brown. Plants grow two to three feet, robust and fragrant. Each, 45c; doz., \$4.50; 100, \$30.00.

LILIAM CANDIDUM Shipped Aug.-Sept.

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best-known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th.

18-20 CENTIMETERS (7-8 inch circumference) Each 30c; dozen, \$3.00; 100, \$20.00.

20-22 CENTIMETERS (8-9 inch circumference) Each, 35c; dozen, \$3.50; 100, \$25.00.

22-24 CENTIMETERS (9-9½ inch circumference). Each, 50c; dozen, \$5.00; 100, \$35.00.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, 65c; dozen, \$6.50; 100, \$50.00.

26 CENTIMETERS and over (10½-12 inch circumference). Each, 75c; dozen, \$7.50; 100, \$55.00.

28 CENTIMETERS and up (12-inch circumference and up). Each, 90c; dozen, \$9.00; 100, \$70.00.

LYCORIS

Shipped in June

Radiata. A coral red Spider Lily. Bulbs planted 5 inches deep, July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., \$2.50; 100, \$18.00.



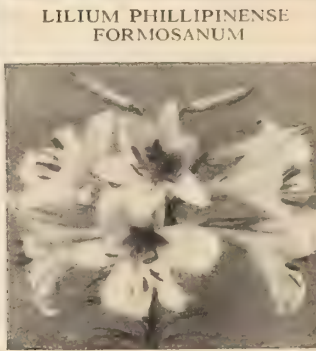
LILIAM AURATUM



LILIAM RUBRUM



LILIAM HENRYI



LILIAM Regale



LILIAM HANSONI

Summer Flowering Bulbs

AMARYLLIS

Largest of flowers which are easily forced indoors. Our new hybrids are gorgeous in size and color! **Vaughan's New Hybrids. Mixed.** Flowers immense, in an amazing range of color blushed and striped in a manner not seen in strains. 2¼-2½ in. dia., each, 40c; doz., \$4.00; 100, \$27.00; 2½-2¾ inch dia., each, 50c; \$5.00; 100, \$35.00; 2¾-3 inch dia., each, doz., \$7.50; 100, \$55.00.

RESURRECTION LILY

Shipped in July

(Lycoris Squamigera) For Outdoor Planting

Amaryllis Hallii. Produces in early spring active green foliage which grows until May, whirps off and disappears, and one not familiar with its habits would think the bulb had died, about a month later, as if by magic, the flower stalks spring from the ground to a height of three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—The bulb is perfectly hardy without protection. The proper time to plant is in summer when the bulb is dormant. Cover crown about four inches. Each, 90c; doz., \$9.00.

STERNBERGIA

Shipped in August

Lutea. These bulbs planted about 4 inches deep will bloom from August 7th to September 1st. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., \$3.00; 100, \$20.00.

IRIS FOR EVERY GARDEN By Sydney B. Mitchell

Iris for 3 to 12 months' bloom; 12 pages of drawings and plans, 25 species and varieties in color. \$3.00.



ACHIMENES

This is closely related to the gloxinia. Plant 6 to 7 bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The soil used for potting should be rich in humus and of an open, porous nature, allowing perfect drainage. A good mixture to use is equal parts of loam, leaf mold and sand. About one-third of the depth of the pots or pans should be occupied with drainage. After the young growth appears, great care should be taken to keep the soil moist, for a single severe drying will ruin the plant. Blooming time 8 to 10 weeks after planting. Mixed colors 3 for 60c; doz., \$2.00; 100, \$15.00.

TUBEROUS BEGONIAS

Tuberous Rooted. Unexcelled for summer bedding. When fully exposed to the sun the beds must be kept moist. Do best in partial shaded spots. All prepaid.

California Grown Double Camellia Flowered

	Each	Doz.	100
1 1/4-1 1/2 inch.....	\$0.20	\$2.00	\$15.00
1 1/2-2 inch.....	.30	3.00	22.50
2-3 inch.....	.45	4.50	32.00

Lloydii or Pendula. Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Each, 30c; doz., \$3.00; per 100, \$22.00.

Multiflora Hybrids Mixed. In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring measuring 2 to 3 inches across. They will blossom until killing frost. Three for 75c; doz., \$2.75; per 100 \$20.00.

GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

Mixed Colors. Each, 40c; 3 for \$1.10; doz., \$4.00.

HYACINTHUS CANDICANS

(Galtonias) Summer

Hyacinth. Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., \$1.50, prepaid; selected size, each, 25c; doz., \$2.50, prepaid.

ISMENE CALATHINA

Peruvian Daffodil. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.50, prepaid.

MONTBRETIAS

Montbretias are easily grown and their graceful lower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with cat mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. **Special Mixed.** Price, 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid.

Earlham Large Flowered Hybrids. They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. **Mixed.** 3 for 55c; doz., \$2.00; 100, \$15.00; prepaid.

TIGRIDIA (Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so easily raised. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft.

Red, each, 20c; doz., \$1.75; 100, \$12.00.
Nine-Red, each, 25c; doz., \$2.50; 100, \$15.00.
Deep-Rose, each, 25c; doz., \$2.50; 100, \$15.00.
Yellow, each, 30c; doz., \$3.00; 100, \$18.00.
Mixed. Price, 3 for 55c; doz., \$1.75; 100, \$12.00; prepaid.

TUBEROSES DOUBLE (Polianthes Tuberosa)

Excelsior Dwarf Pearl Double. Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If staked in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size**—Price, doz., \$1.50; 25 for \$2.85; prepaid. **Mexican (Single)**—They have tall, stiff stems, flowers pure white, single; true tuberose fragrance. Price, doz., \$1.50; 25 for \$2.85; prepaid.



ACHIMENES



DOUBLE BEGONIA



HYACINTHUS CANDICANS



GLOXINIAS



ISMENE CALATHINA



TUBEROSES



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHUS

FAIRY LILY Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulb. Plant in open ground like gladiolus bulbs.

Candida. Pure white and the most profuse bloomer of all. Doz., 80c; 25 for \$1.50; 100, \$5.00; prepaid.

Rosea. Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., \$1.50; 100 \$10.00 prepaid.

CALLA LILIES

Calla Elliottiana. Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooming it will act as a foliage plant all summer. Each, 35c; doz., \$3.50; 100, \$25.00.

Richardia Maculata. Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., \$3.50; 100, \$25.00.

Rehmannii Superba. The rare Pink Calla Lily. Rather dwarfier and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1 1/2 to 2 inch. Each, 35c; doz., \$3.50; per 100, \$25.00.



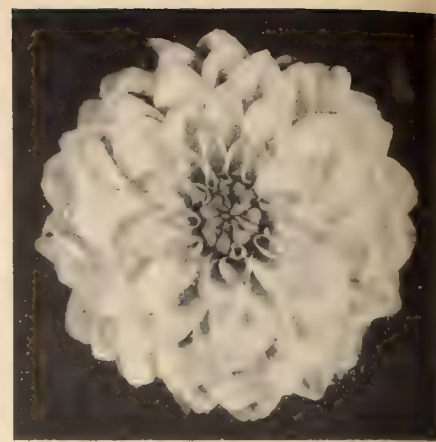
CALLA LILY



STRAIGHT CACTUS



SEMI-CACTUS



FORMAL DECORATIVE

New and Standard—Large Flowering Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Roots** of proper planting size on all varieties listed.

KEY TO ABBREVIATIONS: F.D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus; I. C., Incurred Cactus.

AGLOW. (I. D.) Warm amber, heavily suffused scarlet on center of each petal open growth, with long stems. Each \$1.25.

ANN TOOKER. (I.D.) Large pure white with long wavy petals, vigorous bushes. Each \$2.00

AVALON. (F.D.) Clear yellow. Fine form. Each 50c.

CALIFORNIA IDOL. (I.D.) A clear yellow. Deep flowers of fine form, with high, full centers. Each 75c.

CHAS. L. MASTICK. (F.D.) Large blooms of bronze to orange. A fine keeper when cut. Each 85c

CHEROKEE BRAVE. (I.D.) Large, rich oxblood red. Does not burn or fade. Fine growth and stem. Each \$1.00.

CENTURY OF PROGRESS. (F. D.) Clear elks purple medium bush growth with good stem. An extremely rich color. Each 85c.

CLARA CARDER. (F.D.) Flowers a clear cyclamen pink with straight stiff stems. Each 75c.

CLARIAN KELTON. (I. D.) Flame red blended with yellow and with yellow reverse. It is among the very choice. Each \$1.25.

COMMANDO. (F.D.) A blue lavender. Heavy bush with strong stems and large flowers. Each 50c.

CORNELL. (I.D.) A beautiful bi-color. Maroon with white tips. Good grower with fine stem. Each \$1.00.

CORYDON GLORY. (I. D.) Lemon yellow giant. Dishudding not necessary for perfect large blooms. Rich, dark foliage. Each \$1.00.

CROWN OF GOLD. (Show) Gold tipped bright red. Good bush with strong stem. Each 50c.

DARCY SAINSBURY. (F.D.) Pure white of fine shaped blooms facing erect on strong stems. Each \$1.00

DEEP VELVET. (F. D.) Darkest carmine with overlay of oxblood red. Petals have natural velvet appearance. Each \$1.00.

DEUIL DU ROI ALBERT. (F.D.) Purple and white bi-color. Good grower with long stems. Each \$1.00.

D. DAY. (F. D.) Light rose pink. This is an outstanding long stemmed cut flower variety. Each 75c

EDGAR GUEST. (S. C.) Canary yellow. A fine formed flower of good substance. Early and free blooming with good stem. Each \$1.25.

EASTERN ECHO. (F. D.) Rose and white variegated. Robust grower with good stems. Each 50c.

ELEANOR FRANCIS. (I. D.) Compact blooms of blood red. Exceptionally good keeper. Good stems, dark foliage. Each 85c.

FIVE STAR GENERAL. (F.D.) Pink and yellow blend. One of the largest decorative. Good grower with long strong stems. Each \$2.00

GALLANT FOX. (F.D.) A brilliant red. Each 50c.

GEN'L. J. J. PERSHING. (S.C.) Pleasing color of coral and Jasper red with chrome flush. Large bloom carried on strong stems well above foliage. Each \$1.50

Three Giant \$1 Dahlias ...

When labels become detached from our named varieties, the **Roots** cannot be used to fill regular orders. We offer such **Roots** at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

GOLDEN ECLIPSE. (F.D.) Golden yellow with fine formed flowers. Strong grower and strong stems. Each 50c.

GOLDEN PRINCE. (I. D.) A seedling of Jane Cowl, rich canary yellow blended peach. Bush strong and well branched. Each 75c.

JAMES KIRBY. (I. D.) Beautiful ruby red with strong long stems. An early bloomer. Each 85c.

JANE COWL. (I.D.) Bronze apricot and gold. One of the most reliable of dahlias. Each 75c.

JERSEY'S BEAUTY. (F.D.) Standard pink with long stems. Each 50c.

JERSEY'S DAINTY. (STR.C.) One of the best white cactus. Each 50c.

KENTUCKY SPORTSMAN. (I.D.) Lemon yellow at the center, outer petals golden amber tipped white. Flower medium size of good exhibition quality. Each \$1.00.

KING GEORGE. (F. D.) Soft orange with cream reverse. Petals are very broad and curl at tips offering a two color effect. Each \$1.00.

LOIS WALCHER. (F.D.) Medium, dark true purple with white tips. Each \$1.00.

MAFFIE. (S.C.) Bright glowing red. Stems strong and long. Tall vigorous growth. Each \$1.25.

MARSHALL'S PINK. (F.D.) Bright pink on long stems. Each 75c.

MAYFAIR. (I.D.) Deep red shaggy blooms on excellent stems and bush. Each \$1.00

MICHIGAN WHITE. (S.C.) Medium, well formed pure white on long strong stems. Each 50c.

MRS. WM. KNUDSEN. (F. D.) Large pure white on cane like stems. Each \$1.00

MOTHER KOENIG. (I. D.) A large shrimp pink blending to yellow at center. Fine stems. Each \$1.50.

MRS. I. DE VER WARNER. (F.D.) Bright lilac rose. Each 50c.

MRS. GEO. LE BOUTILLIER. (I.D.) A rich velvety red. Each 50c.

MID-WEST CHAMPION. (I.D.) Brilliant violet-rose with white. Fine grower with strong stems. Each 75c.

MUSTANG. (C.) Giant Australian Cactus. True pink of unusual vigor and size. Very outstanding show type responding beautifully to care. Each \$1.00

OGDEN REID. (I.D.) Very large spinal pink blended with lighter rose-pink. The plant is a vigorous grower and perfect in every respect. Each \$1.25

ROYAL PENNANT. (F. D.) Rich royal purple. This is an excellent all round dahlia. A rare color in dahlias. Each 85c

RUBY KING. (S.C.) Deep ruby red. Does not fade or burn. Each 85c.

SARRETT'S PINK FLAMINGO. (I.C.) Large beautiful formed flowers of clear rose-pink. An outstanding dahlia of recent introduction. Produces flowers up to eleven inches in diameter. Each \$1.50.

SHERWOOD PEACH. (I.D.) Orange apricot of immense size. Robust grower with good stems. Each \$1.00.

SNOW STORM. (F. D.) Fine new white from Holland. Good grower with fine stem. Each 75c.

SON OF SATAN. (I.C.) Very bright scarlet on excellent stems. A sensation in any garden and a winner in any show. Each \$1.25.

ST. THERESE. (STR.C.) Pink to white. An outstanding cut type and among the very finest to come from Holland. Each \$1.50.

SUNBURST. (I. D.) Large yellow, shaded buff. Blooms face 45 degrees on cane like stems. Well branched bush. Each \$1.25.

TAIYO. (I.C.) A striking bicolor cactus of deeper oxblood red to black with white. Blooms are irregular in markings. Each \$1.50.

VIRGINIA RUTE. (S.C.) Large deep velvety maroon red. Plants are tall, with blooms held high above foliage on excellent stems. Each \$1.00.

WATCHUNG GIANT. (I.D.) Yellow suffused orange. Good grower and profuse bloomer. Each 50c.

WHITE ABUNDANCE. (F. D.) Pure white blooms produced on vigorous bush. Stems are ideal and hold the giant blooms well. Each \$1.00.

WHITE KING. (F.D.) A leading pure white. Each 50c.

WHITE WONDER. (I.D.) A pure white. Well formed blooms with pointed petals. Each 75c.

WORLD'S EVENT. (I. D.) Large Terian rose with a high center. Good grower with fine stems. Each \$1.25.

YELLOW DE LUXE. (I.D.) Rich buttercup yellow. Good grower and fine stems. Each 50c.

Money Saving Combination Offers

No change in varieties can be made at these prices.

OFFER A. One tuber each Ann Tooker, Five Star General, Taiyo, Corydon Glory, and King George. Value \$7.50 for \$5.95 postpaid.

OFFER B. One tuber each Cornell, Edgar Guest, Gen'l. J. J. Pershing, Maffie, Sherwood Peach and World's Event. Value, \$7.00 for \$5.25 postpaid.

OFFER C. One tuber each California Idol, Cherokee Brave, Darcy Sainsbury, Kentucky Sportsman, Lois Walcher, and Ogden Reid. Value \$6.00 for \$4.75 postpaid

OFFER D. One tuber each Clara Carder, Commando, Gallant Fox, Golden Eclipse, Jersey's Beauty, Marshalls pink, Mrs. Geo. Le Boutillier and White Wonder. Value, \$4.50 for \$3.40 postpaid

OFFER E. One tuber each Avalon, Crown of Gold, Jane Cowl, James Kirby, Eastern Echo, Watchung Giant, Michigan White and Mrs. I. de Ver Warner. Value \$4.60 for \$3.50 postpaid

Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

City of Portland. 3½ ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.

Hungaria. 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

King Humbert. 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past fifteen years.

The President. 4 ft. A rich glowing scarlet on strong stalks; green foliage.

Yellow King Humbert. 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 75c; \$2.00 per doz., \$14.00 per 100.

CHOICE CANNAS

Dorothy S. 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

Eureka. 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

PRICES OF ABOVE

DORMANT 1-3 EYE ROOTS. Available March 1 to April 15; 3 for 90c; \$2.50 per doz., \$17.00 per 100.



CANNA DOROTHY S.

LIAS—Continued

MINIATURE DAHLIAS

A. (F. D.) Pure White. Each 50c.
SAGAMORE. (F. D.) Golden Yellow. Each

OP OF LLANDORF. (F. D.) Bright Scarlet with
net center. Foliage Reddish bronze. Each 50c.
(F. D.) Rich red, very long stems. Each 50c.
BELLE. (F. D.) Apple blossom pink. Each 50c.
ANA. (F. D.) Rich purple. Each 50c.
R F. One each of the above 6 varieties post-
paid \$2.45.

POMPON DAHLIAS

ISE. Bright Orange. Each 40c.
MUELLER. Golden orange tipped salmon red.
Each 40c.
ETTE. Pure White. Each 40c.
NY PEPPIN. Fine dark red. Each 40c.
HERMAN. Fine red and white. Each 35c.
NING MIST. Lavender. Each 35c.
WILMOUTH. Light rose pink. Each 40c.
OW GEM. Leading golden yellow. Each 40c.
RG. One each of the above 8 varieties postpaid
\$2.45.



COLLECTIONS OF

Oxygenating & Ornamental Aquatic Plants
Collection for small Aquariums, \$1.75.

Collection for medium sized, \$2.75.

Collection for Outside Pools, \$3.75.

an Vallisneria, Corkscrew Vallisneria,
ttaria Natans, Anacharis,
lia, Water Sprite.
an Vallisneria, Corkscrew Vallisneria,
ttaria Natans, Anacharis,
lia, Water Sprite
ttaria Subulatta Lysmachia
bomba Amazon Sword Plants.
Collection for Outside Pools, \$3.75.
an Vallisneria Corkscrew Vallisneria
ttaria Natans Anacharis
lia Water Sprite
ttaria Subulatta Lysmachia
bomba Amazon Sword Plants
er Poppy Water Ferns
er Hyacinths Duckweed

orders for the above three collections
only as specified. No split orders
accepted.

THREE TROPICAL Water Lilies \$5.50

(Catalog Value \$7.50)

One each Blue Beauty (Sky blue);
Missouri (White night bloomer);
Rubra Rosea (Carmine rose).

TWO HARDY Water Lilies \$3.50

(Catalog Value \$4.50)

One each of Gloriosa (Carmine rose)
and Chromatella (Canary yellow).
Two unusual and beautiful varieties
seldom offered in collections.

TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By
August 1st will be in full bloom. Must have warm water
and full exposure to sun. All are day bloomers,
except Missouri, Juno and Hitchcock.

August Koch. Medium sized lovely lavender flowers
Free flowering. \$2.50.

Frances Griffith. Outstanding royal purple. Best
of its color. \$2.75.

Mrs. W. R. James. A finer pink than Pershing.
Huge flowers. \$2.50

Blue Beauty. Huge sky-blue. Most vigorous. \$2.50.

Mrs. George Pring. Star-shaped white flowers.
Free-blooming. \$2.50.

Missouri. Huge white flowers open at night. \$2.75.

Juno. Huge white night bloomer. Very free and
fragrant. We urge those who are not at home dur-
ing the day to try night bloomers for greater enjoy-
ment of the water garden. \$2.75.

Mrs. George C. Hitchcock. A pure rose pink
night bloomer. Free blooming and of unusual size.
\$2.75

Pink Pearl. Brightest pink of lovely form. \$2.50.

Rubra Rosea. Brilliant rosy carmine. \$2.25.

POPULAR AQUATIC PLANTS

*Anacharis 3 for 85c.
*Cabomba 3 for 85c.
Corkscrew Vallisneria Dozen, 75c.
Floating Elodia Each, 75c.
Italian Vallisneria Dozen, 75c.
*Water Fern 3 for 85c.
*Water Hyacinths 3 for 85c.
*Water Poppy 3 for 85c.

*MINIMUM ORDER THREE

HARDY WATER LILIES

This group requires less heat and will bloom earlier
in spring. Can be carried over winter by the amateur
with some protection. While flowers are smaller, they
are borne over a longer season than the Tropicals.
Most satisfactory for the average gardener.

Attraction. Garnet red with ruby shading. Finest
red. \$3.00.

Chromatella. Pure canary yellow. Very vigorous
and free flowering. \$2.25

Comanche. At first of rich apricot hue, it deepens
to copper. Its flower is held high above the water
like tropical water lilies. \$2.25

Escarboucle. Brightest crimson and scarlet. Very
striking. \$3.00.

Gloriosa. Deep carmine rose. Free and vigorous
\$2.25.

Hermine. A star-shaped white of clear, luminous
texture. \$2.50.

James Brydon. Rosy crimson, small growth. Good
for tubs. \$3.00.

Paul Harlot. Opens soft, clear yellow, deepens to
apricot. \$2.25

Pink Opal. Although new, so vigorous that the
price is low. Deepest pink of great beauty. \$2.00

Sioux. Largest of the sunset tints. Opens brassy
yellow, deepens to blood red. \$2.00.

Somptuousa. Large double fragrant flowers of
deep rosy pink with contrasting stamens of deep
orange. \$2.25.

For prepaid delivery add 10c each to
hardy varieties and 25c to tropicals.

New Hardy Everblooming Hybrid Tea Roses



PEACE

The Most Beautiful Rose in the World Today
AARS 1946 (Patent 591)

Each, \$2.50; 3 for \$6.75. See page 1.

Price of the following two varieties:

Dormant Roses, \$2.75;

3 of one kind for \$7.50

FRED HOWARD. AARS 1952 (Pat. 1006). Produces fully double flowers with a high center that are of a rich yellow penciled with soft pink. Exceptionally strong and hardy and will flourish in any section of the country. A "must" for all rosarians.

HELEN TRAUBEL. AARS 1952 (Pat. App. For). All-American Winner for 1952 of a sparkling apricot-pink that everyone is singing about. It's an ideal rose for cutting with buds which are unusually large, long and tapered, and which open into flowers borne singly at the end of long stems.

Price of the following three varieties:

Dormant Roses, \$2.25;

3 of one kind for \$6.25

CAPISTRANO. AARS 1950 (Pat. 922). This is a magnificent rose in every way. The big long, beautifully formed buds open to extremely large, full blooms of a deep, glowing rose-pink which does not fade. Fine cut flower on extra long, heavy canes. Excellent keeping qualities.

MISSION BELLS. AARS 1950 (Pat. 923). One of the freest flowering hybrid tea roses. Its pointed, well shaped buds of beautiful, deep salmon-pink open to richly fragrant, full, high centered blooms of clear shrimp-pink. Vigorous, heavily branched plants, abundantly clothed with disease resistant, coppery green foliage.

SUTTER'S GOLD. AARS 1950 (Pat. 885). Long, pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance.

Price of the following six varieties:

Dormant Roses, \$2.00,

3 of one kind for \$5.50

CHARLOTTE ARMSTRONG. AARS 1941 (Pat. 455). See page 1.

FORTY-NINER. AARS 1949 (Pat. 792). See page 1.

LOWELL THOMAS. AARS 1944 (Pat. 595). See page 1.

NEW YORKER. (Pat. 823). A brilliant red rose that says red, clear and sparkling, until the last petals fall. Flowers are very fragrant, beautifully formed, and of tremendous size, often 6½ inches across. Blooms continuously.

SLEIGH BELLS. (Pat. App. For). Large ovoid buds, borne singly on exceedingly long stems, are produced in quantity all season. The white flowers are really fragrant and open gradually into blooms of great size, with 40 or more petals, lighted with a trace of primrose at the base.

TALLYHO. AARS 1949 (Pat. 828). See page 1.

All Roses listed are dormant, Northern grown 2 yr. No. 1 grade and should be planted early. All Roses are shipped via express from Western Springs, Ill., or may be shipped via parcel post if postage is sent. Allow 1 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.)

AARS. These are Roses selected by the Rose Council after two-year tests in 19 Official All-America Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

Price of the following fourteen varieties:

\$1.75;

3 of one kind for \$5.00

ANGELS MATEAU. (Pat. 174). Fully double blooms of unusually large size colored orange-rose. A strong grower with healthy foliage that will give an abundance of bloom throughout the season.

CRIMSON GLORY. (Patent No. 105). We consider this the finest of all red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded ox-blood red and mellowed by a soft velvety nap. Vigorous growth.

ECLIPSE. (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

FRED EDMUNDS. AARS 1944. (Pat. 731). A spectacular Rose, so rich in color you can hardly believe your eyes. The long, pointed buds of burnt orange, on long stems, open to beautiful flowers of clear sparkling orange.

GOLDEN ANNIVERSARY. (Pat. 806). Handsomely formed flowers with a fine old-gold color, flushed apricot at times. These golden blooms on a truly vigorous, well branched plant make it all the more remarkable in a yellow rose.

HEART'S DESIRE. AARS 1942. (Patent 501). This is the No. 1 Rose of the 1942 "All-America Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous grower.

KATHERINE T. MARSHALL. AARS 1944 (Pat. 607). See page 1.

MIRANDY. AARS 1945 (Pat. 632). See page 1.

NOCTURNE. AARS 1948 (Pat. 713). See page 1.

RUBAIYAT. AARS 1947 (Pat. 758). See page 1.

SAN FERNANDO. AARS 1948 (Pat. 785). See page 1.

SHOW GIRL. (Pat. No. 646). One of the most popular of pink varieties. Rich phlox-pink blooms of good substance, and exhibition form are produced on long, strong stems. Most remarkable is the perfection of the very long-pointed buds and the vigor of the tall plants.

TAFFETA. AARS 1948. (Pat. 716). Rich carmine-rose in bud, changing to Begonia-rose in open flower; reverse of petals yellow. Noted for its ability to produce many long-stemmed, perfectly formed, fragrant buds in lovely color combinations all season.

WILL ROGERS. (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

MABELLE STEARNS ROSE

(Pat. 297). Perpetual Flowering Dooryard Rose. A Rosa Setigera Hybrid that is very hardy. The plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peach blossom-pink are produced in panicles from June until frost, and are excellent for cutting. \$2.00; 3 for \$5.50.

SPECIAL OFFER NO. 902. One each of Christopher Stone, Duquesa de Penaranda, McGredy's Ivory, McGredy's Yellow, Poinsettia and The Doctor, 6 everblooming roses (value \$8.10) for \$7.25.

CHOICE EVERBLOOMING HYBRID TEA ROSES

The Hybrid Tea Roses bear their glorious blooms profusely from June until late fall. In severe winter climates they need proper winter protection.

Price: \$1.35;

3 of one kind for \$3.75

CHRISTOPHER STONE. Classed with Etoile d'Hollande and Crimson Glory as one of the three finest red roses in existence. All season the plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance.

CONDESA DE SASTAGO. A spectacular rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering.

COUNTESS VANDAL. Here in one flower are blended all the beguiling tricks known to roses. Full blooms, sturdily borne; contrast of soft colors; the majesty of flaunting lines. Exquisite buds of pink, salmon and gold, excellent for cutting.

DUQUESA DE PENARANDA. This glorious Rose produces two distinct types of flowers. In summer the splendid blooms are of a coppery apricot color; in autumn a luscious cinnamon-peach color.

ETOILE DE HOLLANDE. A brilliant dark red Rose of magnificent size and perfect form. Flowers deliciously fragrant.

FRAU KARL DRUSCHKI. (White American Beauty). (Hybrid Perpetual). Pure white, long, immense buds; double flowers.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. Very hardy.

JOANNA HILL. One of our most popular Roses and the best of its color. Rich cream and ivory with a yellow-orange heart. A long-lasting cut flower of fine form.

MCGREDY'S IVORY. "The perfect white rose." Long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breath-taking loveliness.

MCGREDY'S YELLOW. Beautifully formed buds of pure, light butter-cup yellow, open flowers cup-shaped; with a mass of golden anthers glorifying the center.

MME. JULES BOUCHE. Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink fragrance. Plant exceptionally strong and continuously in bloom.

MRS. CHARLES BELL (SHELL-PINK RADIANCE). An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

MRS. PIERRE S. DUPONT. One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Compact bushes with glossy foliage.

NIGGER BOY. Here is a rose that has everything. Like the Floribundas, it is continuously in bloom, and produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory.

PICTURE. This is one of the loveliest of all pink Roses, every flower being a perfect picture in color and form. The nicely formed buds open into medium-sized flowers of velvety rose-pink with a warm salmon undertone.

POINSETTIA. One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms.

PRESIDENT HERBERT HOOVER. Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with scarlet. Superb buds; large flowers, lasting well; long stems.

RADIANCE. Large, full, deliciously fragrant blooms of brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

SNOWBIRD. The long pointed buds open into tall double, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; profuse bloom.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular roses for cutting.

THE DOCTOR. An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intense fragrance; excellent for cutting.

Everblooming—Floribundas—Climbing Roses

We suggest that you order early. Should we be sold out of a variety you order, we will send another variety of the same color, and of equal or greater value, unless requested not to do so.

MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

PIXIE. (Pat. 408) The world's tiniest double white Rose. Each, 85c; 3 for \$2.20.

RED ELF. (Pat. 973) The richest and deepest color of them all—a velvety red. 85c.

SWEET FAIRY. (Pat. 748) Dainty, deep pink buds open to very double 1-inch blooms of apple-blossom pink. True rose fragrance. 85c; 3 for \$2.20.

SPECIAL OFFER NO. 912C. One each of the above 3 Miniature Roses for \$2.35. (Add postage for 2 lb.)

POLYANTHA ROSES

These Roses are everblooming, hardy and have flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more profuse. Fine for edgings. **Dormant Roses, \$1.35; one kind, \$3.75; 10 for \$12.00.**

K KOSTER. Like Margo Koster, except for the color of flowers which are a rose-red.

MORIA MUNDI. Full double flowers of most brilliant orange scarlet. Continuous blooming, giving rich colorful effect.

OMPHRE ORLEANAIS. Brilliant cherry-red, lasting in color; flowers profusely in trusses; bright green foliage.

MARGO KOSTER. Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

Sub-Zero Floribunda Roses

Dormant roses, \$1.75; 3 of one kind for \$5.00.

ELSE VANDERBILT. (Pat. 504) An easy to grow rose that often produces 100 or more fragrant blooms in one season. Flowers exquisite coppery-orange, informal, semi-double and very brilliant.

ELLY PINK. (Pat. 842) Matchless in the combination of size and form of bloom, beauty of cluster, instance, vigor and foliage, hardiness and performance. When established, many large, two-toned pink blossoms, in several stages form a gorgeous bouquet on a single stem.

G BOREAS. (Pat. Pending). The very double, fragrant lemon-yellow flowers, borne singly or in indelapra clusters, are abundant from June to November. Vigorous grower; beautiful glossy foliage.

FLORIBUNDA ROSES

These roses are among the hardest and most continuous blooming hybrids offered, giving a spectacular permanent display from June until frost. Their clusters are almost as large as those of the Hybrid Tea, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border for bedding, for foundations or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer.

Price of the following seven varieties: \$1.35; 3 of one kind for \$3.75

ELMAR SPATH (WHITE LAFAYETTE). Large clusters of pure white semi-double flowers, produced early all summer. Excellent for cutting.

ELSE POULSEN. Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy.

ELADORA. AARS 1945 Spectacular profuse-blooming new Floribunda of bright Cinnabar with shades of scarlet.

ELROVED LAFAYETTE. An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening cerise-red.

ELK GRUSS AN AACHEN. Large, very double, deep salmon-pink blooms like a hybrid tea rose, ideal for bedding; produces constant bloom.

ELRIPPLES. The tallest red floribunda. An intense Christmas red in both bud and bloom. Flowers very long lasting, on the bush or when cut.

ELSE ELFE. Unusually beautiful, silvery rose-pink flowers of gardenia-like form. They are very double, about 2½ inches across, and are produced early all summer.

SPECIAL OFFER NO. 912A. One each of Dagmar Spath, Else Poulsen, Rose Elfe and Red Ripples, 4 dormant plants, (value \$5.40) for \$4.90.



FASHION (Pat. 789) Top Winner, 1950 All-American Rose Trials

An unusually beautiful Floribunda that brings an entirely new color into the rose world. A sparkling coral-pink, overlaid with gold, which softens to a clear coral and then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely, miniature Hybrid Teas up to 3½ inches across. Old rose fragrance. \$2.00; 3 for \$5.50.

PATENTED FLORIBUNDA ROSES

CRIMSON ROSETTE. (Pat. 901). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is quickly followed by another. \$1.75; 3 for \$5.00.

GERANIUM RED. (Pat. 811) Well named for color, form and fragrance. The flowers are very double, bright geranium-red in color, and have an unusual strong rose geranium fragrance. \$1.50; 3 for \$4.25.

GOLDILOCKS. (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. \$1.50; 3 for \$4.25.

PINOCCHIO. (Pat. 484). Profuse bloomer in immense clusters with delightful flowers of a changeable two-tone pink color. Buds long and pointed, open flowers like miniature hybrid teas. \$1.50; 3 for \$4.25.

RED PINOCCHIO. (Pat. 812) Prolific producer of 3½ inch flowers of velvety deep red in large, long lasting, unfading clusters. Wild rose fragrance. \$1.50; 3 for \$4.25.

VOGUE. AARS 1952 (Pat. 926). All-America Winner for 1952. A fine floribunda featuring a glowing cherry coral color and flowers of perfect hybrid tea form. Plant is particularly resistant to the common diseases which attack garden roses. \$2.25; 3, \$6.25.

WORLD'S FAIR. (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously fragrant. \$1.50; 3 for \$4.25.

YELLOW PINOCCHIO. (Pat. 992). Another fine Pinocchio with great masses of bloom in an apricot-yellow color. This new member of the Pinocchio family grows about 3 ft. tall and at the peak of its bloom is a mound of yellow. \$1.50; 3 for \$4.25.

SPECIAL OFFER NO. 912B. One each of Pinocchio, Red Pinocchio and Yellow Pinocchio, 3 dormant plants, (Value \$4.50) for \$4.00.

TREE ROSES

"The Crowning Glory of any Garden"

Standard or Tree-shaped Roses are grown by budding the desired variety into a tall straight stalk at a height of 3 ft. The bushy head usually produces more flowers and larger ones than the bush type of the same variety. We offer the following: Charlotte Armstrong, each, \$7.00; Crimson Glory, each, \$7.00; Peach, each, \$7.50.

Dust or Spray Regularly with "Protexall" (see page 20) and you will have few, if any, rose troubles

CLIMBING ROSES

Attention is invited to the many types of climbing Roses in our list. New varieties are creating greater interest in climbers. Many varieties are quite hardy but we advise winter protection.

Price of the following nine varieties Each, \$1.50; 3 of one kind, \$4.25

BLAZE. A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. Gives a fine display in June; blooms again in the fall.

BONFIRE. Best red climber. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

CITY OF YORK. Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower; elegant disease free foliage.

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season.

GOLD RUSH. A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage.

MARY WALLACE. Well formed, semi-double flowers generally 4 inches in diameter, of a bright clear rose-pink with salmon base.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

PRIMROSE. A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

THE NEW DAWN. (The Hardy Everblooming Dr. Van Fleet). The first everblooming climbing Rose. A sport from Dr. Van Fleet, having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer.

SPECIAL OFFER NO. 912D: One each of Blaze, Gold Rush and The New Dawn, 3 Roses, (value \$4.50) for \$4.00. (Shipping wt. 5 lbs.).

NEW PATENTED CLIMBING ROSES

ALOHA. (Pat. 948). Never before an everblooming climber like this. Unlike most climbers, the rose-pink blooms come out in long-stemmed clusters. Aloha with its buds of deep coral-pink is outstanding in its class. \$2.50; 3 for \$6.75.

CLIMBING BREAK O'DAY. (Prop. rights reserved). Vigorous everblooming climber, with large, very double flowers of orange-apricot with lighter tint. \$2.00.

CLIMBING CRIMSON GLORY. (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. \$2.00; 3 for \$5.50.

CLIMBING PEACE. (Pat. 932). A climbing sport with blooms identical with those of the bush Peace rose. Hardy here so far, making big beautiful plants, but should have winter protection. \$2.50; 3 for \$6.75.

DR. J. H. NICOLAS. (Pat. 457). Everblooming deep rose-pink. Magnificent, very double, deeply fragrant blooms like the Hybrids Teas. \$2.00; 3 for \$5.50.

DOUBLOONS. (Pat. 152). A hybrid of Rosa Setigera, very hardy. Clusters of very large, cup-formed, saffron yellow blooms, opening one after the other, over a long period. Long heavy canes. \$2.00; 3 for \$5.50.

ORANGE EVERGLOW. (Pat. 505). New hardy everblooming climber featuring beauty, fragrance, and vigor. Color dazzling coppery orange. \$2.00.

THOR. (Giant Scarlet Climber). (Pat. 387). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Foliage rich bottle green which does not mildew or blackspot. Very hardy, \$2.00.

SPECIAL OFFER NO. 912E. One each of Climbing Crimson Glory, Climbing Peace and Dr. J. H. Nicolas, 3 roses, (value \$6.50), for \$5.90.



BUDDLEIA (Butterfly Bush)

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped."
(No Nursery Stock Shipped C. O. D.)

ALMOND (Prunus)

DOUBLE PINK FLOWERING ALMOND (PRUNUS GLANDULOSA SINENSIS). 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small very double pink, rose-like flowers that are closely set along the branches. 2 to 3 ft., \$1.50; 3 for \$4.20.

BARBERRY (Berberis)

GREEN LEAVED BARBERRY (B. THUNBERGII). 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., 85c; 3, \$2.25; 10, \$7.00; 100, \$60.00.

MENTOR BARBERRY (B. MENTORENSIS). 3 ft. (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 18 to 24 in., \$1.25; 3, \$3.30; 10, \$10.50; 100, \$75.00.

RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA). 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its colorings. 18 to 24 in., \$1.00; 3, \$2.85; 10, \$9.00; 24 to 30 in., \$1.25; 3, \$3.45; 10, \$11.00; 2½ to 3 ft., \$1.75; 3, \$4.80; 10, \$15.50.

BEAUTYBUSH (Kolkwitzia Amabilis). 6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., \$1.50; 3 for \$4.20; 3 to 4 ft., \$2.00; 3 for \$5.50.

BIRCH (Betula)

EUROPEAN WHITE BIRCH (B. ALBA). 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$4.75; 6 to 8 ft. clumps, \$7.50; 3 for \$21.45.

CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS). 30-40 ft. An unusually gracefully drooping tree, with deeply cut foliage and silvery white bark at maturity. 7 to 9 ft., \$7.50; 3 for \$21.45.

HYBRID BLUEBERRIES

HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS. 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we only sell 3 or more plants to a customer so that we can supply more than one variety. Price, 3-year clumps, 3 for \$4.80; 6 for \$9.00.

BRIDAL WREATH (Spiraea)

S. VAN HOUTTE. 5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., 90c; 3 for \$2.40; 10 for \$7.50; 3 to 4 ft., \$1.15; 3 for \$3.00; 10 for \$9.50.

Flowering Trees and Shrubs

FOUR NEW BUDDLEIAS \$3.25 (BUTTERFLY BUSHES OR SUMMER LILACS)

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

DUBONNET. 4 ft. The color, matches that of the French Dubonnet wine, glowing red in the sun.

FASCINATING. 4 ft. A glorious variety, bearing elegant, extra long sprays of orchid-pink blooms.

ORCHID BEAUTY. 3 to 4 ft. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

ROYAL PURPLE. 3 to 4 ft. Very shapely, extra long, full spikes of brilliant, glowing red-purple color.

Prices of above, field grown, each, \$1.00; 3 for \$2.85.

DWARF BURNING BUSH

EUONYMUS ALATUS COMPACTA. 4 to 6 ft. Bark cork-like and curiously winged; leaves small; fruit red; in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., \$2.50; 3 for \$6.75.

BUSH CHERRY (Prunus Besseyi)

HANSEN'S IMPROVED. 4 to 5 ft. Hardy cherry with edible fruit resembling a small plum, massed in clusters from the ground up; fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., 80c; 3, \$2.25.

COTONEASTER ACUTIFOLIA

PEKING COTONEASTER. 5 to 10 ft. Small leathery leaves of rich glossy green, jet black berries in fall. Extremely hardy, it makes one of our finest hedges. Can be trimmed like Privet. 2 to 3 ft., \$1.10; 3, \$3.00; 10, \$9.50; 3 to 4 ft., \$1.50; 3 for \$4.20.

FLOWERING CRAB (Malus)

BECHTEL'S DOUBLE FLOWERING CRAB. 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., \$3.00; 3 for \$8.25; 4 to 5 ft., \$4.50; 3 for \$12.75.

ELEY CRAB (M. ELEYI). 10 to 15 ft. Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., \$3.00; 3 for \$8.25.

ROSE FLOWERING CRAB (M. HOPA). 15 to 20 ft. Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., \$3.00.

SPECIAL OFFER. One each of the above 3 Flowering Crabs, 4 to 5 ft., (value \$10.50) for \$9.50.

CRANBERRYBUSH (Viburnum)

EUROPEAN CRANBERRYBUSH (V. OPULUS). 10 ft. Showy, cranberry-like berries in fall and early winter. 3 to 4 ft., \$1.50; 3 for \$4.20; 4 to 5 ft., \$1.75; 3 for \$4.80.

DOGWOOD (Cornus)

PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA). 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft. B & B, \$7.00.

WHITE FLOWERING DOGWOOD (C. FLORIDA). Similar to above, but flowers are white. 2 to 3 ft., B & B \$6.00.

REDTWIG DOGWOOD (C. ALBA SIBIRICA). 6 to 10 ft. Bright coral-red branches. 3 to 4 ft., \$1.15; 3 for \$3.15; 4 to 5 ft., \$1.35; 3 for \$3.75.

GOLDENTWIG DOGWOOD (C. STOL. FLAVIRAMEA). 6 to 10 ft. Attractive golden yellow bark. 2 to 3 ft., 90c; 3 for \$2.55; 3 to 4 ft., \$1.15; 3 for \$3.15.

ELM (Ulmus)

AMERICAN ELM. 80 to 100 ft. Popular native tree with broad arching branches; foliage dark green.

CHINESE OR SIBERIAN ELM (U. PUMILA). 75 ft. On account of its rapid growth, and ability to thrive in almost any situation, this is one of the most popular trees in America.

(Prices of the above 2 varieties as follows:)

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1¼ inch	\$5.00	\$14.25
10 to 12 ft.	1¼ to 1½ inch	6.50	18.45
12 to 14 ft.	1½ to 1¾ inch	7.50	21.45
14 to 16 ft.	1¾ to 2 inch	8.50	24.45

AMERICAN ELM, MOLINE TYPE. 80 to 100 ft. Exceedingly large foliage. Of upright habit. Splendid tree for the street or for small yards.

Height	Caliper	Each	3 for
8 to 10 ft.	1 to 1¼ inch	\$6.00	\$16.95
10 to 12 ft.	1¼ to 1½ inch	7.00	19.95
12 to 14 ft.	1½ to 1¾ inch	8.00	22.95
14 to 16 ft.	1¾ to 2 inch	9.00	25.95

CHINESE ELM HEDGING

ULMUS PUMILA. It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

FIREBUSH OR FLOWERING QUINCE

CYDONIA JAPONICA. 4 to 5 ft. Brilliant orange scarlet flowers in April, followed by yellowish green quince-shaped, fragrant fruits. 18 to 24 in., \$1.10; 3 for \$3.00; 2 to 3 ft., \$1.35; 3 for \$3.60.

GOLDEN BELL (Forsythia)

SHOWY BORDER GOLDEN BELL (INT. SPECT). 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 2 to 3 ft., \$1.00; 3 for \$2.85; 3 to 4 ft., \$1.25; 3, \$3.60; 4 to 5 ft., \$1.50; 3 for \$4.20.

SPRING GLORY. 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.50; 3, \$4.00.

HAWTHORN (Crataegus)

PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS). 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., \$5.00.

HONEYLOCUST (Gleditsia)

HONEYLOCUST (G. TRIACANTHOS). 50 to 70 ft. A large, vigorous tree with spreading branches and handsome feathery fern-like leaves. Good for yard or street planting and will withstand the dust and smoke of a city well. 8 to 10 ft., 1 to 1½ in. caliper, \$5.00; 8 to 10 ft., 1½ to 1¾ in. caliper, \$6.00; 10 to 12 ft., 1¾ to 1½ in. caliper, \$7.00; 10 to 12 ft., 1½ to 2 in. caliper, \$9.50.

MORAIN LOCUST. (Patent No. 836). 80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wooded. We highly recommend it. 5 to 6 ft., whips \$5.00; 6 to 7 ft. whips \$6.00; 6 to 7 ft., branched, \$8.00.

HONEYSUCKLE (Lonicera)

BUSH HONEYSUCKLE. 9 to 10 ft. One of our best shrubs for screen and border plantings.

Pink, Red or White. 2 to 3 ft., 90c; 3 for \$2.40; 10 for \$7.50. 3 to 4 ft., \$1.15; 3 for \$3.15. 10 for \$9.00. 4 to 5 ft., \$1.50; 3 for \$4.20.

ZABEL RED H. (L. KOROLKOWI ZABELI). 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 3 to 4 ft., \$1.25; 3 for \$3.45; 10 for \$11.00; 4 to 5 ft., \$1.50; 3 for \$4.20.

HYDRANGEA

BLUE HYDRANGEA. 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., \$2.00; 3, \$5.55.

PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA). 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.25; 3, \$3.30; 10, \$10.00; 2 to 3 ft., \$1.50; 3, \$4.20.

SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA). 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade. 18 to 24 in., \$1.25; 3 for \$3.30; 10, \$10.00; 2 to 3 ft., \$1.50; 3, \$4.20.



MORAIN LOCUST

For the Home Landscape

KERRIA

AP. PLENIFLORA. (Double Kerria). 4 to 5 ft. Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 2 to 3 ft., \$1.50; 3, \$4.20.

LILAC SPECIES

COMMON PURPLE LILAC (SYRINGA VULG. PURPUREA). 12 to 15 ft. The old-fashioned Lilac. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 2 to 3 ft., \$1.00; 3, \$2.75; 10, \$8.50; 3 to 4 ft., \$1.25; 3, \$3.45.

ERSIAN PURPLE (SYRINGA PERSICA). 8 to 10 ft. The most graceful and freely flowering of the Lilacs, with purple-lavender flowers, in loose panicles. 2 to 3 ft., \$1.25; 3, \$3.45; 3 to 4 ft., \$1.50; 3, \$4.20.

REE LILAC (SYRINGA JAPONICA). 15 to 20 ft. The last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 3 to 4 ft., \$1.75; 3, \$4.80; 4 to 5 ft., \$2.00; 5 to 6 ft., \$3.00.

FRENCH HYBRID LILACS

HARLES JOLY. Double flowers of dark, wine-red with silvery reverse. One of our very finest Lilacs. 18 to 24 in., \$1.75; 3 for \$4.80; 2 to 3 ft., \$2.50.

IME. LEMOINE. Double pure white flowers, borne in large clusters.

RES. GREVY. Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of very fine clear, soft, delicate blue.

Prices of above, except where noted: 18 to 24 in., \$1.50; 3 for \$4.20; 2 to 3 ft., \$2.25; 3 for \$6.00.

SPECIAL OFFER NO. 812. One each of above 3 Lilacs, 18 to 24 in., (value \$4.75) for \$3.95.

MAGNOLIA

AUCER MAGNOLIA (M. SOULANGEANA) 20 ft. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of effectiveness. 2 to 3 ft., B. & B., \$10.50; 3 to 4 ft., B. & B., \$12.50; 4 to 5 ft., B. & B., \$16.50.

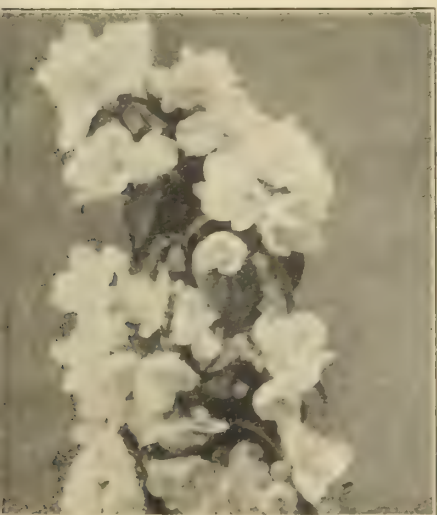
MAPLE (Acer)

IRMSONKING MAPLE (A. Plat. Schwed. Nigra). (Pat. No. 735). The new purple leaved Maple which holds its rich dark color throughout the summer. 4 to 5 ft. whips, \$4.75; 3, \$13.50; 5 to 6 ft. whips, \$5.50.

ORWAY MAPLE (ACER PLATANOIDES). 50 to 75 ft. A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn. 8 to 10 ft. 1 1/4 to 1 1/2 in. caliper, \$7.50.

MAIDENHAIR TREE

INKGO BILOBA. 50 to 60 ft. Highly ornamental tree of slender upright growth but with peculiar spreading branches. The leaves are fan-shaped, of deep green color, turning golden yellow in fall. Especially valuable in that it is immune to ordinary attacks of insects and withstands so well the unfavorable conditions of our cities. 6 to 8 ft., 1 1/4 to 1 in. caliper, \$6.00; 8 to 10 ft., 1 to 1 1/4 in. caliper, \$7.50.



PHILADELPHUS Virginalis

MOCK ORANGE (Philadelphus)

COMMON MOCK ORANGE. 7 to 10 ft. The free flowering single white found in the old-fashioned gardens of rapid growth, forming a large bush. 2 to 3 ft., 90c; 3 for \$2.25.

MINNESOTA SNOWFLAKE. (Pat. No. 538). 8 ft. This lovely mockorange produces a profusion of pure snow-white flowers that are extremely double and intensely fragrant. It is very hardy, vigorous, bushy, has good foliage and is excellent for specimen plantings. 2 to 3 ft., \$1.50.

VIRGINALIS. 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with extra large, single and semi-double flowers that are pure white and sweet-scented. 2 to 3 ft., \$1.50; 3, \$4.20; 3 to 4 ft., \$1.75; 3, \$4.80.

EUROPEAN MOUNTAIN ASH

SORBUS AUCUPARIA. 25 to 30 ft. A handsome tree with compound leaves of dark green; golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 8 to 10 ft., \$6.50; 3 for \$18.45.

DWARF NINEBARK

PHYSOCARPUS OPULIFOLIUS NANA. 5 ft. One of our finest low-growing hedge plants. Dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are a dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., \$1.00; 3, \$2.85; 10, \$9.00.

PRIVET HEDGE (Ligustrum)

AMUR PRIVET (L. AMURENSE). 12 ft. One of the best hardy hedge plants. May be sheared to any extent. 18 to 24 in., 10, \$3.50; 100, \$30.00; 2 to 3 ft., 10, \$4.00; 100, \$37.50; 3 to 4 ft., 10, \$5.00.

PLUM (Prunus)

THUNDERCLOUD PURPLE-LEAF PLUM. 12 to 15 ft. A small tree shrub. The leaves when young, are lustrous crimson, changing to a dark purple and they retain this beautiful tint until they drop, late in autumn. 4 to 5 ft., \$3.50.

DOUBLE FLOWERING PLUM (P. TRILOBA). 7 to 8 ft. Double flowers of a delicate pink, upwards of an inch in diameter, thickly set on long, slender branches; flowers in May. 3 to 4 ft., \$2.00; 3 for \$5.55.

ROSE OF SHARON

HIBISCUS SYRIACUS OR SHRUBALTHEA. 6 to 12 ft. An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, white or red. 3 to 4 ft., \$1.50; 3, \$4.20.

ROSE HARRISON'S YELLOW

4 to 5 ft. This is the rose of olden times. Its semi-double, deep golden yellow flowers make a spectacular show in the garden in June. 2 yr., \$1.35; 3 for \$3.75.

ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red berries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings, 12 to 15 in., 1/4 in. caliper at crown, 50 for \$7.00; 100 for \$12.00; 500 for \$50.00.

HYBRID RUGOSA ROSES

HANSA. 5 to 6 ft. Double, reddish-violet flowers of large size, freely produced. Very sweet scented. 2 year, \$1.40; 3, \$3.90.

F. J. GROOTENDORST. 5 to 6 ft. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, \$1.50; 3, \$4.20.

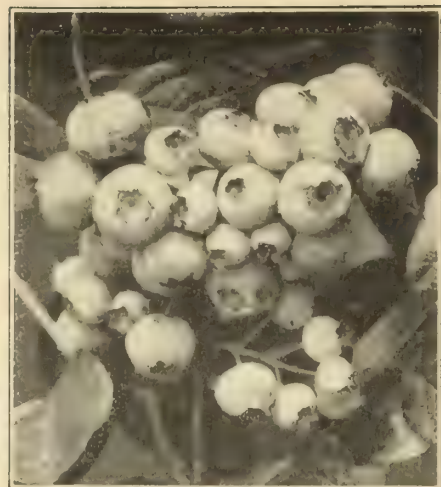
PINK GROOTENDORST. 5 to 6 ft. A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2 year, \$1.50.

GOLDEN ROSE OF CHINA

ROSA HUGONIS. 6 ft. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., \$1.40; 3, \$3.90.

SNOWGARLAND

SPIRAEA ARGUTA MULTIFLORA. 4 to 5 ft. Showy shrub with leaves of narrow, bright green, fading with tones of yellow and orange in fall. Flowers are small, pure white, and are borne in early spring in such profusion that the whole shrub appears laden with snow. 2 to 3 ft., \$1.00; 3, \$2.85; 10, \$8.50.



HYBRID BLUEBERRIES

SNOWBALL (Viburnum)

GARDENIA-SCENTED SNOWBALL (V. BURKWOODI). 5 ft. This new garden aristocrat is fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in., \$3.50.

OLD-FASHIONED SNOWBALL (V. OPULUS STERILE). 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., \$1.25; 3 for \$3.45; 3 to 4 ft., \$1.50. 3 for \$4.25; 4 to 5 ft., \$2.00; 3 for \$5.55.

EVERBLOOMING SPIRAEA

S. ANTHONY WATERER. 2 1/2 ft. Flat clusters of rosy-crimson flowers throughout the summer and fall. 18 to 24 in., \$1.25; 3 for \$3.45.

S. FROEBELI. 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., 90c; 3, \$2.55; 10, \$8.00.

TAMARIX

HISPIDA AESTIVALIS. 8 to 10 ft. Magnificent variety with pink flower spikes that appear all during the summer. Feathery gray-green foliage. To get best results, Tamarix should be cut to the ground when transplanted. 3 to 4 ft., \$1.50; 3, \$4.20.

THOMAS BLACK WALNUT

50 to 70 ft. These are grafted trees which grow quickly and bear very young. They are self-fertile and make beautiful shade trees, as well as producing an abundance of large high quality nuts that are easy to crack, so the meats come out in halves and quarters. 4 to 5 ft., \$3.50.

WILLOW (Salix)

PUSSY WILLOW (S. DISCOLOR). 10 to 15 ft. Small tree or large shrub with handsome fur-like catkins which appear in early spring before the leaves. 3 to 4 ft., \$1.25; 3 for \$3.45.

NIobe WEEPING WILLOW (S. NIobe). 30 to 40 ft. Wavy, bright green foliage borne on slender, pendulant branches. 8 to 10 ft., \$3.75; 3, \$10.50.

WINTERCREEPER (Euonymus)

BIGLEAF WINTERCREEPER (EUONYMUS RADICANS VEGETUS). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover or will climb on brick or stone. 2 1/2 in. pots, 90c; 3, \$2.50; 10, \$8.50; 3 in. pots, \$1.50; 3, \$4.00.

PURPLELEAF WINTERCREEPER (E. RADICANS COLORATA). Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. 2 1/2 in. pots, 65c; 3, \$1.65; 10, \$5.00; 3 inch pots, 75c; 3 for \$1.95; 10, \$6.00.

WITCHHAZEL (Hamamelis)

WINTER-BLOOMING W. (H. VERNALIS). 5 to 6 ft. Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., \$2.00; 3 for \$5.50; 3 to 4 ft., \$3.00; 3 for \$8.25.

WEIGELA (Diervilla)

BRISTOL RUBY. (Patent No. 492) 6 ft. Splendid new variety that blooms profusely in June and early July and occasionally later in the season. Color in effect is a soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 2 to 3 ft., \$1.50; 3 for \$4.20.

ROSEA. 6 ft. Very floriferous, producing quantities of large, showy, trumpet-shaped pink flowers in June. 3 to 4 ft., \$1.25; 3, \$3.45.

BITTERSWEET (*Celastrus Scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., 75c; 3 for \$1.95; 10, \$6.00.

LARGE-FLOWERING CLEMATIS

HENRYI. Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

JACKMANI. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

MME. EDWARD ANDRE. Very beautiful bright velvety red, free-flowering and continuous bloomer.

RAMONA. An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue. Prices of the above 4 varieties: 2-year, each, \$1.50, 3 for \$4.00.

GOLD MEDAL COLLECTION. One each Jackmani, Henryi and Mme. Edward Andre, 2-year for \$4.00. (Add postage for 1 lb.)

FOUR FINE NEW CLEMATIS

CRIMSON KING. Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$1.75; 3, \$4.80.

LORD NEVILLE. Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.75; 3, \$4.80.

NELLY MOSER. Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. \$1.85.

PRINS HENDRIK. Of rare orchid-like beauty, with gorgeous azure-blue, ruffled petals, often 7 inches in diameter. Blooms from June until frost. \$2.00.

DELUXE COLLECTION. One each of Nelly Moser, Crimson King, and Lord Neville, 2-year for \$4.75. (Add postage for 1 lb.)

SWEET AUTUMN CLEMATIS

CLEMATIS PANICULATA. The flowers are purple white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small flowered vines. 2 yr., \$1.00; 3 for \$2.70.

CREEPER (Ampelopsis)

BOSTON IVY (A. TRICUSPIDATA OR VEITCHEI).

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 85c; 3 for \$2.25; 10 for \$7.00.

ENGELMAN'S CREEPER (A. ENGELMANI). One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, 75c; 3, \$2.10; 10, \$6.00.

DUTCHMAN'S PIPE

ARISTOLOCHIA SIPHO. A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted \$2.00; 3, \$5.50.

HONEYSUCKLE (*Lonicera*)

EVERBLOOMING HONEYSUCKLE (LONICERA HECKROTTI). Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.10; 3 for \$3.00.

HALL'S HONEYSUCKLE (L. JAPONICA HALLEANA). One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., 75c; 3 for \$1.95; 10, \$5.00; 100, \$45.00.

CLIMBING HYDRANGEA

HYDRANGEA PETIOLARIS. A worth while hardy climber with white, four-petaled flowers in 6 to 8 inch loose clusters in July. Will cling to brick or stone walls. Slow growing when young, but once established, makes a rapid growth. Grows best on north or east sides of buildings. Strong pot-grown plants, \$2.25; 3, \$6.00.

All prices f. o. b. our nurseries, Western Springs, Ill.

If wanted by Parcel Post, remit postage, allowing 1 lb. per plant. See order blank page for postage rates.

Hardy Climbing Vines

HARDY ENGLISH IVY

HEDERA HELIX BALTICA. A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. 2 1/2 in. pots, 3 for \$1.75; 10, \$6.00.

TRUMPET CREEPER

BIGNONIA RADICANS. A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. Useful wherever a showy flowering vine is desired. Will cling to wood. 2 yr., 75c; 3 for \$1.95.

BIGNONIA MME. GALEN. A more dwarf form of the above with immense flower clusters, often exceeding 15 inches in length. 2 yr., grafted, \$1.50; 3 for \$4.20.

KUDZU or

Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texturesoft and woolly. Fine for porches, arbors, old trees, etc. 75c; 3 for \$1.95. 10, \$5.00.

SILVER LACE VINE

POLYGONUM AUBERTI. Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.10; 3 for \$3.00.

VAUGHAN'S NURSERY PRICE LIST

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

Vaughan's Evergreens

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

When Personal Selection of Stock is made, We Charge for According to Its Value.

ARBORVITAE (*Thuja*)

DOUGLAS PYRAMIDAL ARBORVITAE. (T. OCCIDENTALIS DOUGLASI PYRAMIDALIS). Glossy green pyramid with fronds somewhat curled. 5 1/2 to 6 ft., \$12.50; 6 to 6 1/2 ft., \$15.00; 6 1/2 to 7 ft., \$17.50.

GLOBE ARBORVITAE (T. OCCIDENTALIS GLOBOSA). A round, compact form with deep green foliage. 24 in., \$6.00; 30 in., \$6.50; 36 in., \$8.50.

PYRAMIDAL ARBORVITAE (T. OCCIDENTALIS PYRAMIDALIS). A compact, narrow pyramidal tree. 5 to 5 1/2 ft., \$10.50; 5 1/2 to 6 ft., \$12.00; 6 to 6 1/2 ft., \$14.00.

JUNIPER (*Juniperus*)

ANDORRA JUNIPER (J. HORIZONTALIS PLUMOSA). Of prostrate habit; foliage bright green in summer, rich reddish purple in winter. 15 to 18 in., \$5.25; 18 to 24 in., \$6.50; 2 to 2 1/2 ft., \$7.50; 4 to 4 1/2 ft., \$12.50.

BURK REDCEDAR (J. VIRG. BURKI). An improved form of Silver Redcedar. 5 1/2 to 6 ft., \$20.00; 6 to 6 1/2 ft., \$22.50; 6 1/2 to 7 ft., \$25.00; 7 to 7 1/2 ft., \$27.50.

CANAERT REDCEDAR (J. VIRG. CANAERTI). Fine pyramidal form with heavily tufted deep green foliage. 3 to 3 1/2 ft., \$10.50; 3 1/2 to 4 ft., \$11.50; 5 to 5 1/2 ft., \$17.50; 5 1/2 to 6 ft., \$20.00; 6 to 6 1/2 ft., \$22.50; 6 1/2 to 7 ft., \$25.00.

KETELEER JUNIPER (J. CHIN. KETELEERI). Similar to Canaert Redcedar, but of more open growth and pyramidal habit. 3 to 3 1/2 ft., \$9.00; 3 1/2 to 4 ft., \$10.50; 4 to 4 1/2 ft., \$12.50; 4 1/2 to 5 ft., \$15.00; 5 to 5 1/2 ft., \$16.50; 5 1/2 to 6 ft., \$17.50.

PFITZER JUNIPER (J. CHIN. PFITZERIANA). One of the best Junipers. Of broad, bushy growth, with thick, rich green foliage. 18 to 24 in., \$6.50; 2 to 2 1/2 ft., \$8.00; 2 1/2 to 3 ft., \$10.00; 3 to 3 1/2 ft., \$12.50.

SILVER REDCEDAR (J. VIRG. GLAUCA). One of our choicest evergreens with attractive blue tinged foliage. 4 1/2 to 5 ft., \$15.00; 5 to 5 1/2 ft., \$17.50; 5 1/2 to 6 ft., \$20.00; 6 to 6 1/2 ft., \$22.50; 6 1/2 to 7 ft., \$25.00.



WISTARIA

CHINESE WISTARIA (WISTARIA SINENSIS). Blooms very profusely early in summer; flower violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., \$1.50.

PINK WISTARIA (WISTARIA MULTIJUGA ROSEA). The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, \$1.50; 3 for \$4.20.

WHITE CHINESE WISTARIA (WISTARIA SINENSIS ALBA). Pure white, very fragrant, 2 yr. grafted, \$1.50.

PSEUDOTSUGA

DOUGLASI (DOUGLASFIR). Forms a large spreading pyramidal tree. Foliage is soft; light green above, bluish beneath. 2 to 2 1/2 ft., \$8.50.

COLORADO SPRUCE (PICEA PUNGENS). The abundance of heavy rich green foliage makes this variety a most impressive and popular evergreen. Splendid for specimen planting. 3 1/2 to 4 ft., \$10.50; 4 to 4 1/2 ft., \$12.50; 4 1/2 to 5 ft., \$15.00.

COLORADO BLUE SPRUCE (P. PUNGENS GLAUCA). Very showy, rich silver blue foliage. 2 1/2 ft., \$12.00; 3 ft., \$14.00; 3 1/2 ft., \$16.50; 4 ft., \$20.00.

YEW (*Taxus*)

SPREADING YEW (T. CUSPIDATA). Of dense spreading growth, with heavy, dark green foliage. 18 to 24 in., \$9.50; 2 ft., \$12.00; 2 1/2 ft., \$14.50; 3 ft., \$17.50; 3 1/2 ft., \$22.50; 5 ft., \$40.00; 5 1/2 ft., \$50.00.

UPRIGHT YEW (T. CUSP. CAPITATA). An upright or pyramidal form with glossy, deep green foliage. 18 in., \$8.75; 2 ft., \$10.00; 2 1/2 ft., \$13.50; 3 ft., \$16.50; 3 1/2 ft., \$20.00; 4 ft., \$25.00.

HICK'S YEW (T. MEDIA HICKSI). A distinct columnar form with rich, deep green foliage. 2 ft., \$8.00; 4 ft., \$25.00; 4 1/2 ft., \$27.50; 5 ft., \$30.00; 5 1/2 ft., \$35.00.

KELSEY YEW (T. MEDIA KELSEYI). Bushy upright habit. Produces abundant red berries. 2 ft., \$10.50; 2 1/2 ft., \$12.50.

For prices on larger sizes and other varieties ask for our nursery price list, ready about March 1st.

Vaughan's Irises



GARDEN FLAME

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows, 3 to 6 plants, 1 lb., 10 to 15 plants, 2 lb. We accept no responsibility for delays or conditions that may prove injurious to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

OUTSTANDING VARIETIES

- AZURE SKIES.** 36 in. Perfectly formed, ruffled azure blue self; flaring falls. \$1.00; 3 for \$2.50.
- BLUE SHIMMER.** 38 in. Large flowers of beautiful sparkling white, dotted and peppered all over with clear blue. \$1.00; 3 for \$2.50.
- CALIFORNIA GOLD.** 36 in. Fine, non-fading flowers of dazzling, deep golden yellow. 40c; 3 for \$1.00.
- CHINA MAID.** 48 in. Intriguing blend of pink, copper and soft lilac. Fine large flowers. 75c.
- CHRISTABEL.** 38 in. The gleaming copper-red flowers are very showy and floriferous. 50c; 3 for \$1.25.
- COPPER LUSTRE.** 36 in. Huge flowers of glowing copper and gold with iridescent sheen. 50c.
- DAYBREAK.** 40 in. A huge golden pink with slight undertones of copper. \$1.00; 3 for \$2.50.
- ELMOHR.** 36 in. Huge reddish-mulberry with a pinkish glow. \$1.00; 3 for \$2.50.
- ELSA SASS.** 38 in. Exquisite, ruffled flowers that are the color of lemon-ice. 50c; 3, \$1.25.
- ETHELWYN DUBUAR.** 38 in. Fine large flowers of deep pink. 40c; 3 for \$1.00.
- GARDEN MAGIC.** 44 in. Large flowers of deep, smooth, very dark velvety red self. 75c.
- GOLDEN MAJESTY.** 42 in. A truly superb iris of gleaming, deep rich, pure yellow which does not fade. 50c; 3 for \$1.25.
- GREAT LAKES.** 48 in. An exquisite pure blue, the shade of an unclouded sky reflected in crystal waters. 75c; 3 for \$2.00.
- GUDRUN.** 36 in. Enormous, well shaped flowers of lovely pure white. Early. 40c; 3 for \$1.00.
- INDIAN HILLS.** 37 in. A stunning iris of clear rich wine-purple. Its large, fragrant flowers are very showy. 40c; 3 for \$1.00.
- LOS ANGELES.** 40 in. Giant snowy-white, the standards faintly edged blue. 40c; 3 for \$1.00.
- MULBERRY ROSE.** 40 in. Large flowers of radiant, lovely, mulberry rose. Unusual shade. \$1.00.
- OLA-KALA.** 36 in. Beautiful rich, deep yellow ruffled flowers with flaring falls. Intensely brilliant, almost orange. \$1.00; 3 for \$2.50.
- PRAIRIE SUNSET.** A gorgeous blend of peach, apricot, rose, copper and gold. \$1.00; 3 for \$2.50.
- SABLE.** 40 in. An almost perfectly black Iris with a lustrous, silky sheen. \$1.00; 3 for \$2.50.

DE LUXE IRIS COLLECTION. One each of Blue Shimmer, Elmoehr, Ola Kala, Prairie Sunset and Sable (value \$5.00) for \$4.00. (Add postage for 1 lb.)

Eight Iris Aristocrats \$3⁰⁰

Catalogue Value \$5.35 (Postage Additional for 2 lb.)

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

BERKELEY GOLD. 38 in. This top ranking yellow Iris should sell for more. It is a large deep clear yellow self of fine form and heavy texture. Stands rain, hot weather and does not fade. 75c; 3 for \$2.00.

CITY OF LINCOLN. 40 in. A magnificent bi-color that is a "standout" in the garden. The dome-shaped standards of clear vivid yellow, make a striking contrast with the golden edged, rich velvety red of its flaring falls. 50c; 3 for \$1.25.

GARDEN FLAME. 34 in. A large, richly colored Iris of deep rose-mahogany with very broad petals. Ranks with the top among red Irises. Late. \$1.00; 3 for \$2.50.

GRAND CANYON. 38 in. Delicately ruffled flowers of a rich and colorful blend of plum, copper and gold, like the colors in the Grand Canyon. 75c; 3 for \$2.00.

MOROCCO ROSE. 38 in. S. lustrous pale pink, flushed deeper. F. deep rose-lavender pink, long and flaring. A beautiful creation. 60c; 3 for \$1.50.

ORMOHR. 40 in. The gigantic flowers are a soft gray-lavender veined violet with a rosy glow over all. 50c; 3 for \$1.25.

NIGHTFALL. 36 in. Rich, blackish, pansy-purple color, with standards several shades lighter than falls. Vigorous; free-blooming. 75c; 3 for \$2.00.

WABASH. 39 in. S. snowy white; F. deep hyacinth violet with a definite white edge. Has wonderful substance and orchid-like beauty. Voted by the Iris experts in 1940, 1941 and again in 1942 as the best Iris in commerce at that time. 50c; 3 for \$1.25.

Ask for our "Complete List of Iris", ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

IRIS KAEMPFERI

Price, each 75c; 3 of one kind for \$2.00.

BLUE BIRD. Beautifully formed double flowers of rich uniform blue.

LA FAVORITE. Double. Large fine white freely veined with blue and with a rich purple center.

PINK PEARL. Delicate pearly pink with lilac tone. Unusual color. Double.

PURPLE AND GOLD. An enormous double of rich violet-purple with gold center.

SPECIAL OFFER NO. 832A. One each of above 4 named Kaempferi Irises (value \$3.00) for \$2.50. (Postage additional for 2 lb.)

Peonies

ROOTS BY PARCEL POST.—Add postage as follows: Single roots, 2 lb; two roots, 3 lb.; 3 roots, 4 lb.; 4 roots, 5 lb.

BARONESS SCHROEDER. (9.0) Immense flesh white, often tinted pink, changing to creamy white. Excellent cut flower; fragrant; late. \$1.50.

EDULIS SUPERBA. (7.6) The large flowers of beautiful deep pink are usually in bloom for Decoration Day. Very fragrant. \$1.00.

KARL ROSEFIELD. (8.8) Huge ball-like flower of rich velvety crimson. Very brilliant and striking. One of our best Peonies. Early midseason. \$1.00.

SPECIAL OFFER NO. 832B. One each of the above 3 Peonies (value \$3.50) for \$2.95; postage additional for 3 lb.

GOLD MINE. (8.2) (Japanese Peony). Cup-shaped flowers of dark rose-pink with deep golden center. Profuse bloomer. \$1.00.

L'ETINCELANTE. (Single). (8.1) Broad petals of bright carmine with silvery border; golden stamens in center. \$1.25.

MARY BRAND. (8.7) Vivid crimson of large size. Flowers last a long time and hold their color in the sun. An excellent midseason variety. \$1.50.

MIKADO. (Japanese) (8.6) Guards velvety crimson; center of crimson petaloids, tipped gold. \$1.50.

MYRTLE GENTRY. (9.1) Immense flowers of perfect form and wonderful substance. Color beautiful light pink, changing to white, with tints of flesh and salmon. Tea rose fragrance. \$2.50.

OFFICIALIS RUBRA PLENA. (8.6) This is the old-fashioned brilliant red. Early. \$1.50.

RICHARD CARVEL. (8.8) Large globular flowers of bright crimson. Delicate fragrance. Early, usually in bloom for Decoration Day. \$1.50.

REINE HORTENSE. (8.7) Very large flowers of beautiful uniform light pink. A prize winner at the shows. Midseason. \$1.00.

SARAH BERNHARDT. A prolific bloomer of beautiful dark rose-pink flowers on tall stems. An extra fine cut flower and show variety. \$1.25.

Unnamed Peonies to Color

DOUBLE PINK—DOUBLE WHITE. Each 75c; 3 for \$2.00. **DOUBLE RED.** Each, 90c; 3 for \$2.25.

Small Fruits

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add postage, approximate weight 10 plants, 5 lb; 25 plants, 10 lb; 50 plants, 20 lbs.)

BLUEBERRIES—See page 80.

BOYSENBERRY

(THORNLESS). Sensational new fruit. Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price No. 1 transplants, 3 for \$1.25; 10 for \$2.75; 25 for \$6.25.

RASPBERRIES

Price, except where noted, 3 for \$1.00; 10 for \$2.25; 25 for \$4.75; 50 for \$8.00.

CUMBERLAND (BLACK). Extra large, oval, rich and juicy. Good quality; very productive.

INDIAN SUMMER. The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.50; 25 for \$5.00.

LATHAM (RED). Berries are immense, dark red in color and well flavored. Extremely hardy.

GRAPES

Price, 2 yr. No. 1 each, 75c; 3 of one kind for \$1.75; 10 for \$5.00.

CACO (RED). The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

CONCORD (BLACK). The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender. Very productive.

FREDONIA (BLACK). The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

PORTLAND (WHITE). This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

SPECIAL OFFER NO. 832D. One each of grapes Caco, Concord, Fredonia and Portland 2 yr (value \$3.00) for \$1.95. (Postage additional for 3 lb.)

DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

DWARF APPLES. Delicious. McIntosh or Yellow Delicious, 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

DWARF PEARS. Bartlett, 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

QUINTUPLET APPLE TREE 5 Kinds of Apples on One Tree

This is the ideal tree for the small yard, 5 different varieties of apples are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year trees, 4 to 5 ft., 1 1/2 in. caliper \$3.95 each.

BLACK WALNUTS—See page 81.

Vaughan's High Grade Fertilizers

Three High Analysis Special Value Plant Foods

High Analysis Mineralized Loma. 8-8-8. For lawns, flowers and vegetables. This scientifically balanced, up-to-date plant food supplies 15 essential minerals, not merely as traces, but in sufficient quantities to enable plants to derive full benefits from the abundant Nitrogen, Phosphoric Acid and Potash in the mixture. It makes plants more vigorous and more resistant to insects and diseases. They mature earlier, flowers hold blooms longer, vegetables are larger and better flavored. Will make greener, thicker turf. Price per 25 lb. bag, \$2.50; 100 lbs. \$8.00.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices, the customer pays all freight or express charges.

Vaughan's Special Lawn, Tree and Shrub Food

10% nitrogen, 8% available phosphoric acid, 6% potash. Excellent for all types of shade trees and evergreens. For shade trees apply in holes drilled 16 inches deep and 2 feet apart under drip of outside branches at rate of $\frac{1}{4}$ pound for each foot in height of tree up to 50 lbs. per tree. For evergreens use $\frac{1}{4}$ pound per foot in height of tree, and work into surface soil. 25 lbs., \$2.25; 100 lbs., \$4.95.

VAUGHAN'S BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent; total phosphoric acid, 22 percent. 5 lbs., 75c; 10 lbs., \$1.35; 25 lbs., \$2.85; 50 lbs., \$3.95; 100 lbs., \$6.95; 500 lbs., \$27.50.

VAUGHAN'S SHEEP MANURE

This is a pure, natural manure, dried and free of weed seed, excellent for mixing with the soil. For use in liquid form, one pound to five gallons of water can be used with safety daily. 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.35; 50 lbs., \$2.10; 100 lbs., \$3.75; 500 lbs., \$13.25.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 25 lbs., \$1.45; 50 lbs., \$2.50; 100 lbs., \$3.95; 500 lbs., \$14.00; 1,000 lbs., \$27.50.

Armour Vertagreen Plant Food.

Analysis: 5-10-5. Vertagreen is a high quality blended and balanced plant food for lawns, flowers, shrubs, trees and garden vegetables. Prices 5 lb. bag, 50c; 10 lb. bag, 90c; 25 lb. bag, \$1.60; 50 lb. bag, \$2.65; 100 lb. bag, \$4.25.



Active (Formerly Bacto). Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Active on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size \$1.00; treats 450 lbs. compost; No. 7 size \$2.50; treats up to 1800 lbs.; No. 25 size \$6.99; treats up to 3 tons compost. No. 50 size drum, \$11.95; treats 6 tons compost. 100 lb. size \$19.95.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 5 lb. bag, \$1.50; 20 lbs., \$3.50; 150 lbs., \$18.00. Write for booklet.

Aluminum Sulphate. For creating acid condition in the soil. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$5.25.

Ammonium Nitrate. Nitrogen content 34%. Since it is almost impossible to secure Sulphate of Ammonia and Nitrate of Soda, this is a good substitute and runs much higher in Nitrogen content. 5 lbs., 85c; 10 lbs., \$1.35; 25 lbs., \$2.25; 50 lbs., \$3.50; 100 lbs., \$6.25; 500 lbs., \$28.75.

California Liquid Vitamin B1. 4 oz. bottle makes 30 gallons solution. One teaspoon to gallon of water. Price 40c postpaid; 8 oz. 60c postpaid.

Electra Fertilizer (5-10-3). A high organic all-around plant food for feeding, forcing and finishing. The best substitute for Clay's fertilizer, formerly imported from England. 25 lbs., \$3.95; 50 lbs., \$5.95; 80 lbs., \$9.50.

Esminel. Can be used to mineralize your garden. Can also be added to fertilizers used for trucks, crops, lawns, shrubs, trees, etc. This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc. Price, 5 lb. pkg. \$1.50; 100 lbs., \$13.50.

Organic Turf, Tree and Ornamental Food. 10-6-4. A high percentage of the food elements in this mixture are organic, which become available slowly as the plants require them, throughout the growing season. There is no inert material, but everything makes a valuable food contribution to your plants. This combination insures a well fed lawn and flower border without danger of burning. Established lawns should have a top dressing in spring and fall of 20 to 25 pounds per 1,000 square feet. Newly seeded lawns should have up to 40 pounds per 1,000 square feet. 25 lbs., \$2.35; 100 lbs., \$7.50.

Vaughan's Peat Moss

IMPORTED CANADIAN HORTICULTURAL GRANULATED

A moisture-retaining humus. An important aid in saving soil fertility, better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., \$2.65; half of large bale, approximately 50 lbs., \$3.95; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, \$5.75.

Peat Moss (German) in standard burlapped bales, each \$5.75

Fulton's Plantabbs.

tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, 1.00; postpaid. Large size approximately 1,000 tablets, \$3.50.

Odorless plant food in



Hypoxen Plant Food. Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c; 1 lb., \$1.00; 10 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00.

Hy-Gro. Analysis: 13-26-13. The soluble plant food and starter solution. 3 oz., 40c; postpaid, 45c; 1 lb., \$1.00; postpaid, \$1.15; 10 lbs., \$6.50; 25 lbs., \$11.00; 100 lbs., \$32.00.

Kapco. All soluble fertilizer 15-30-15, for liquid feeding with added minor elements. Price 25 lbs. \$7.50; 100 lbs. \$20.00.

Lime Phosphate, Ruhm's. Nature's source of phosphorus. The most phosphate at lowest unit cost. 80 lbs., \$2.75; 480 lbs., \$10.80; 960 lbs., \$20.50; 2,000 lbs., \$34.50.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphate and potash; contains no filler. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.75; 100 lbs., \$4.50.



Milorganite. Activated sludge fertilizer, free of weed seeds. Feeds over a long period. 25 lbs., \$1.40; 50 lbs., \$2.25; 100 lbs., \$3.75; 500 lbs., \$18.75; 1,000 lbs., \$35.00.

Muriate of Potash. Should be used liberally, especially for all root crops. 25 lbs., \$1.95; 50 lbs., \$3.10; 100 lbs., \$5.75.

J. M. T. C.

ORG-A-NUR
ALL-ORGANIC-MANURE

Peat, Orchid. Very useful for orchids and azaleas. \$5.35 per sack of about two bushels.

Rhodo-Azalea Food. 3-20-3. 5 lb. package, each, 85c; 10 lbs., \$1.35; postage extra.

Vigoro. Complete Plant Food. Supplies in balanced form the eleven vital plant food elements for hardy, beautiful plants. Clean, odorless, sanitary, and easy to use. Vigoro has brought gardening success to millions of home owners everywhere. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.65; 100 lbs., \$4.25.



Super Phosphate. Twenty percent available. 25 lbs., \$1.25; 50 lbs., \$1.85; 80 lbs., \$2.85; 480 lbs., \$10.50; 960 lbs., \$20.00; 2,000 lbs., \$37.50.

Balanced Rose Ration. 7-8-

5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants. 1 lb., 35c; 5 lb. bag, 85c; 10 lbs., \$1.35; 25 lbs., \$3.00; 100 lbs., \$9.50.



Sulphate of Ammonia. Price, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$5.50.

Super-Gro. Organic and mineral soil builder. Non-burning. This organic compost is processed from animal and packing house refuse (blood meal, tankage, etc.) into compost. No sand or other filler is used. Price per 80 lb. bag, \$3.75; 6 bags for \$19.50.

SALEM FERTILIZER SPREADERS

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, rubber tires, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs., price each \$7.50; 20 inch, hopper capacity about 40 lbs., each, \$11.50; 30 inch, hopper capacity about 80 lbs., each, \$17.50. Super Heavy 36 in., hopper capacity over 125 lbs., ea. \$35.50.

INOCULATORS

Nitragin. The Original Legume Inoculation. Culture A. For alfalfa, sweet clover, burr clover and hubam clover. 1 bu. size, 50c.

Culture B. For clovers, medium and mammoth red, alsike, crimson and white. 1 bu. size, 50c.

Culture C. For all vetches. Peas, Austrian, Canadian, golden and sweet peas, broad beans and lentils. Medium size will inoculate up to 100 lbs. seed 50c.

Culture D. For Beans. 1 bu. size, 50c.

Culture E. For peanuts, cow peas, velvet beans and lima beans. Small bu. size, 35c; 5 bu. size, 55c.

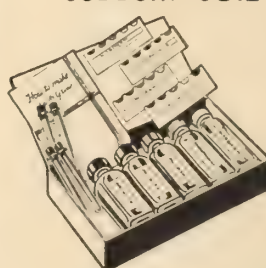
Culture L. For all Lespedeza, large size inoculates up to 100 lbs., 50c.

Culture S. For Soy Beans, all varieties. Small size inoculates up to 120 lbs. seed, 35c; 5 bushel size, 55c; 25 bushel size, \$2.50.

Garden Size. For garden peas, sweet peas, beans, lima beans and lupines. Pkt., 15c; three for 40c; each packet will treat up to 6 lbs. of seed.

New Combination Culture "AB". For Alfalfa, Sweet Clover, Bur Clover, Hubam Clover and for Red, Medium Red, Mammoth, White Dutch, White, Wild White, Alsike, and Ladino Clovers ONLY. 1 bu. size price each, 50c. 2 bu. size 90c.

SUDBURY SOIL TEST KITS



Made by the maker of professional field test kits. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. The Sudbury Home Gardener's

Soil Test Kit, complete with instructions. \$2.98; postpaid, \$3.20.

Testing Fluid for Refill. Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., \$1.00; 6 oz., \$2.00, both postpaid.

New Club Model Kit

An advanced amateur will find this larger kit valuable. It contains material for many accurate tests. \$5.89; Postpaid \$6.20.

Horticultural Test Kit

It contains material sufficient to make 60 individual tests, together with complete instructions and table of plant needs. Sudbury Horticultural Soil Test Kit, \$14.95.

Sprays and Dusts

Weights—By mail ¼ pt., 1 lb.; pt., 2 lbs., qt., 3 lbs.; where prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.



ACME ALL ROUND SPRAY. For roses, shrubs, vegetables and flowers. Price per lb., \$1.10; 4 lbs., \$3.50. Add for postage.



ACME ROTENONE GARDEN GUARD. A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 50c; postpaid, 60c; 4 lb. pkg., \$1.00. Postpaid \$1.20.



ACME 6% CHLORDANE DUST. For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. Price per 1 lb. sifter top carton, each 60c; 4 lb. bag, \$1.50. Add for postage.



45% CHLORDANE EMULSION CONCENTRATE. Kills grasshoppers, roaches, ants and many other insects. 1 oz., 39c; 4 oz., 75c; 8 oz., \$1.25; 1 pint, \$1.95; 1 qt., \$3.25; 1 gal., \$8.95.

TREE TANGLEFOOT. Perfect safeguard for trees. Price, 1 lb. can, \$1.50, postpaid \$1.65; 5 lbs., \$7.00; 25 lbs., \$26.50.

BUG-GETA PELLETS. A bait to kill Slugs, Snails, Cut-Worms and Grasshoppers. Easy to handle, lasts longer than any other baits. 12 oz. 50c, 2 lb. \$1.00. Postage extra.

STOMACH POISONS

ANTROL, Ready filled. Sets containing 4 filled feeders, 40c; extra jars each, 10c. 4-oz. syrup, 20c. **ANTROL ANT TRAPS.** Kill both sweet and grease eating ants. Each, 20c; 6 for \$1.00.

ARSENATE OF LEAD (Dry). 1 lb. carton 70c; 4 lbs., \$1.95; case of 48 lbs., \$18.00.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 60c; 5-lb. tin, \$1.95; 25-lb. bag, \$6.00.

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; 2½ lbs., 75c; 6 lbs., \$1.50; 50 lbs., \$10.00.

TARTAR EMETIC. For control of gladiolus thrip. ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.25.

VERMINE. For ear, cut and wire worms in the soil. ¼ pt., 50c; pt., 85c; qt., \$1.25; gal., \$3.50.

ROTENONE PREPARATIONS

KALITE. Rotenone plus 3% D.D.T. 1 lb. pkg., 35c; 4 lb. bag, \$1.25; 25 lb. bag, \$6.75.

RED ARROW Garden Spray. Kills by contact, both chewing and sucking insects. Oz., 35c; 4 oz., \$1.25; 28.85.

ROTECIDE. Contact and stomach poison. Oz., 35c; ¼ pt., \$1.00; pt., \$1.75; qt., \$3.00.

CONTACT INSECTICIDES

ACME EMO-NIK. Summer oil spray with Nicotine for scale, red spider and similar pests. Price, 4½ oz., each, 45c; pint, 90c; quart, \$1.40; gallon, \$3.50. Add for postage.

BLACK LEAF 40. Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 1-oz. bottle, 30c; 5-oz. can, \$1.05; makes 40 to 100 gallons; 1-lb. bottle, \$2.42, makes 40 to 200 gallons; 2-lb. can, \$4.15, makes 200 to 500 gallons; 5-lb. can, \$7.40, makes 400 to 1000 gallons; 10-lb. can, \$12.65, makes 840 to 2100 gallons.

DIMITE. Recommended for the control of mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. 2 oz., 69c ea., 85c postpaid. 2 oz. makes 12 gallons of spraying solution.

DX PYRETHRUM. With Rotenone Liquid spray. 1½ oz. bottle, 50c; 8 oz. bottle, \$1.75.

EVERGREEN SPRAY. Non-poisonous when used as directed. Price, 1 oz., 40c postpaid; 6 oz., \$1.25 postpaid, pint, \$2.60 postpaid.

LEMON OIL. Destroys Aphid, Leaf Hopper. ¼ pt., 50c; pt., 85c; qt., \$1.50; gal., \$4.20, 5 gals., \$16.80.

NICO-FUME POWDER PRESSURE FUMIGATOR. Burned under pressure in the can. ¼-lb. can, 65c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

NICOTINE PYROX. For chewing and sucking insects. 20 oz. jar, 60c; 5 lbs., \$3.00.

PYRETHRUM POWDER. 1 lb., 85c; 5 lbs., \$3.75.

TOBACCO DUST. Contains over ¾ nicotine superfine grind. 1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.35; 25 lbs., \$2.95. Add postage.

TOBACCO STEMS. 100 lbs., \$4.50; 500 lbs., \$18.00; 1,000 lbs., \$30.00.

CHLORDANE

CHLORDANE. (Water Base—2½% Chlordane). Especially for household use. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed. Pint, 79c; quart, \$1.39.

ISOTOX GARDEN DUST. Contains Lindane. An excellent garden dust for the control of Aphids, Japanese Beetles, Thrips, Caterpillars, Ants, Black Widow Spiders, etc. 1 lb. 85c; 5 lbs., \$3.25. Postage extra.



FERMATE. New fungicide gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz. 75c, postpaid, 90c; 3 lbs., \$3.50, postpaid, \$3.75; six pkgs. for \$19.50.

ACME WETTABLE DUSTING SULPHUR. An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snapdragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton, 55c, postpaid, 70c.



DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. 1 lb., 60c; postpaid 70c; 5 lbs., \$2.50; 12½ lbs., \$3.75; 100 lbs., \$25.00.

100% SOILFUME Ethylene Dibromide. The newest and simplest method of fumigating soil against nematodes and wire-worms. "Just drop a capsule."



FUNGICIDES

BORDEAUX MIXTURE (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungal diseases. 1 lb. will make 5 gallons liquid. 1 lb., 50c; 4 lbs., \$1.35; postpaid, \$1.60.

FLOWERS OF SULPHUR. For dusting. 1 lb., 15c; 10 lbs., \$1.00; 50 lbs., \$3.25; 100 lbs., \$6.00.

FORMACIDE FORMALDEHYDE DUST. Controls "damping off" of seedlings. 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

MAGNETIC SPRAY Wettable Sulphur. Can be used with other insecticides. 4-lbs., 75c; 24 lbs., \$3.60.

PHYGON XL. For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., 50c; postpaid 55c; 4½ oz., \$1.00, postpaid \$1.10; 1 lb., \$2.70, postpaid \$2.85.

SEED-PROTECT. Protects seeds from fungi. 2 oz., 35c; 16 oz., \$2.00; 5 lbs., \$8.00; 50 lbs., \$75.00.

ARASAN. Reduces seed decay and damping-off. Destroys seed and soil-borne organisms. Price ¼ oz., 25c; 8 oz., \$1.00 postpaid, \$1.15.

SEMESAN. The universal seed disinfectant and plant stimulant. ¼ oz., 20c; 2 oz., 60c; 12 oz., \$2.85; 25 lbs., \$72.65. Write for leaflets, stating for what purpose desired.

Special Semesan. Control for Brown Patch, Dollar Spot, etc. in Bent Lawns. 1½ lb. can, \$3.75; 25 lbs., \$52.05; 100 lbs., \$197.60.

Semesan Bel. For Potatoes. 2 oz. tin, 50c; 1 lb., \$2.30; 4 lbs., \$7.50; 40 lbs., \$70.35; 100 lbs., \$166.00.

New Improved Ceresan. 4 oz. tin, 50c; 1 lb., \$1.30; 4 lbs., \$4.35; 100 lbs., \$85.00.

2% Ceresan. 1½ lbs., \$1.75; 75 lbs., \$60.10.

Ceresan M. 14 oz. tin, \$1.25; 3 lb. tin, \$3.55; 40 lbs., \$35.85; 100 lbs., \$85.00.

Write for leaflet on Semesan and Ceresan.

SPERGON—Seed Protectant. Kills the soil fungi and bacteria which cause damping off. 1 oz., 25c; postpaid 35c; 5 oz., \$1.00, postpaid, \$1.10; 1 lb., \$2.25, postpaid \$2.35; 10 lbs., \$20.00; 50 lbs., \$93.80; 100 lbs., \$178.00.

Spergon Wettable Powder. 4 oz. tin, 50c; 1 lb., \$1.25; postpaid, \$1.35.

VOLCK. Summer oil spray for growing plants. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. 4 oz., 50c postpaid; pint, 90c postpaid; 1 gal., \$2.85; 5 gals., \$9.95.

TRI-O-GEN DUST. Price 1 lb. canister, 85c, postpaid, \$1.00; 5 lbs., \$3.50; postpaid, \$3.85.

TRIO-GEN. Combined spray treatment fungicide-insecticide and plant stimulant. Complete protection against plant insects and diseases. E, kit trial size, \$1.35; A, small kit makes 16 qts., \$2.25; B, medium kit, makes 64 qts., \$6.00; C, large kit, makes 32 gals., \$9.00; D, estate kit, makes 128 gals., \$30.00.



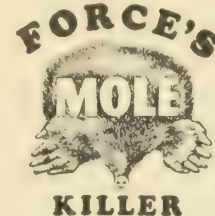
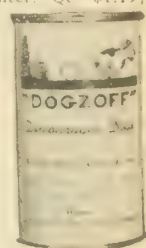
PARA-SCALECIDE. A prepared combination of Scalecide and parathion. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective, and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, \$1.45; gallon, \$3.25; 5 gallons, \$10.40.

SCALECIDE. A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt. \$1.15;

gal., \$2.75; 5 gals., \$9.30; 15 gals., \$22.00, 55-gal. Drum, \$33.00.

DOGZOFF. In aerosol bomb type container. Contents about 8 ounces. Price each, \$2.25, postpaid, \$2.40.

DOGZOFF. Breaks dogs of bad habits. Spray underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 75c; by mail, 85c.



THE ACCEPTED MOLE CONTROL FOR nurseries, greenhouses, gardens, cemeteries, parks and residential lawns. Small size, 35 pellets, 30c; postpaid, 40c. Regular size, 75 pellets, 60c; postpaid, 70c. Large size, 185 pellets, \$1.00; postpaid \$1.15. Commercial size, 875 pellets, \$3.25.

COMBINATIONS

POMO GREEN (With Nicotine). A green colored fungicide and insecticide. 1 lb., \$1.05; 5 lb., \$3.85.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. 25 lbs., \$6.00; 50 lbs., \$9.00.

RED ARROW DUST. Contains ¾ Rotenone. 2 lb. bag, 60c; 5 lb., \$1.35. Postpaid \$1.60.

WILSON'S O. K. PLANT SPRAY. For aphid, red spider, mildew, scale, etc. ¼ pt., 40c; qt., \$1.15; gal., \$3.50; 5 gals., \$13.50.

MISCELLANEOUS

CARBON DISULPHIDE. For ants and cut worms. (By express only.) 1 lb., 85c.

CYANOGAS CALCIUM CYANIDE "G". Greenhouse fumigant. For aphid, white fly, thrips, soft scale, and mealy bug. 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00. (By express only).

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. (By express only.) 4-oz. tin, 40c; 1 lb., \$1.00; 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00.

CYANOGAS FOOT PUMP. Each, \$15.00.

DOG-SHOOT. Keeps dogs and cats away. Qt., 85c; gal., \$2.25.

DUPONT ROSE DUST. 8 oz. Dust Gun, each 69c; postpaid, 80c; 1 lb. sifter top can \$1.00; postpaid, \$1.10.

DUPONT FLORAL DUST. Provides complete control of many insects and disease affecting flowers. Excellent for roses. Non-injurious. Use as dust or spray. 8 oz. guns, 79c; postpaid 90c; 1 lb. canister, \$1.15; postpaid, \$1.30; 4 lb. canister, \$3.50; postpaid, \$3.85.

DUPONT FRUIT TREE SPRAY. Recommended for control of many insects and fungus diseases affecting apples, peaches, cherries, pears, plums, apricots, quince, strawberries, currants, gooseberries. Specially formulated for spray application. 1 lb. canister, \$1.15; postpaid, \$1.30; 3 lb. bags, \$2.75; postpaid, \$3.00.

DUPONT GARDEN DUST. A complete insecticide and fungicide. 8 oz. Dust Gun, 79c; postpaid, 89c; 1 lb. sifter top can, \$1.15; postpaid, \$1.25; 4 lb. canister, \$3.50. Add postage.

DOWFUME SOIL FUMIGANT. Very effective in controlling soil pests. A gallon treats 400 sq. ft. Price per gallon, \$1.75; 5 gals. for \$7.25.

STOP. A tree banding compound. Perfect safeguard for trees. 1 lb. jar, \$1.05; 7½ lb. jar, \$6.25.

NAPHTHALENE FLAKES. 1 lb., 45c; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.75.

PINE TAR. For tree surgery. Stops bleeding of the sap. Pint, 50c; qt. 85c; gal. \$2.25.

G and O CROW REPELLENT. Protects from crows, moles, squirrels, etc. ¼ pt., 40c; pint, 60c; qt., \$1.00.

SODIUM SELENATE, P 40, applied to soil is absorbed by the plant tissues, and destroys many insects that attack the plant. Never use on food crops. Excellent results are reported on gladiolus thrips and chrysanthemum pests outdoors. P-40, containing 2% sodium selenate 3 lbs., (to treat 100 square feet or 100 feet of row) \$2.75, prepaid; 25 lbs., \$11.50 by express, charges collect.

For suitable sprayers, see index.

SULPHATE OF IRON. 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$5.95.

Prices Subject to Change Without Notice.

Vaughan's Seed Company 85

D. D. T. for All Purposes

Bug-go Insect Spray-Bomb Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silverfish, ants, mosquitoes, wasps, and any crawling or flying pests. Contains DDT, Pyrethrum and Piperonyl Butoxide, three killing ingredients. (If one doesn't get them, the others will.) Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. Each, \$1.30, postpaid, \$1.40.



D. D. T. Household Spray. An oil spray for lasting control of household pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Quart 75c; prepaid for 95c; gallon \$1.95, shipped by express charges collect.

D. D. T. 50% Wettable Dust. For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 1 lb., postpaid, \$1.25; 4 lbs., \$2.75, postpaid for \$3.00.

D. D. T. 25% Liquid Spray. D. D. T. in emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, also for spraying barns and other buildings to control flies. Eight ounces will make 25 gallons of garden spray. 8 oz., \$1.50, prepaid \$1.65; 1 gallon (makes 400 gallons of garden spray) \$6.75, shipped by express, charges collect.

D. D. T. 5% Dust. A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. 40c; postpaid, 50c; 5 lbs., \$1.35, postpaid, \$1.65; 25 lbs., \$4.50, shipped by express charges collect.

EndoWeed. Preparation of 2,4D in liquid form which will kill most lawn weeds when sprayed on according to directions. ½ pint can, 98c; postpaid, \$1.10; qt. can, \$2.69; postpaid, \$2.85; gal. can, \$6.50.



Endo Pest. A triple acting dust for garden plants which kills insects of all types and protects against fungus diseases. An all-purpose material to protect gardens against both insects and disease with same treatment.



Endo Pest Applicator gun complete, 79c, refill cartridge, each, 59c, 2 lb. package, \$1.79.

ACME TOMATO DUST

Contains basic copper arsenate. The latest improvement in the insecticide field containing a safe arsenical for controlling the tomato worm and the tomato fruit worm as well as the early and late blight and other fungus diseases. A full pound sifter top package ready to use, each, 60c, postpaid, 75c. 4 lb. bag \$1.50. Postpaid, \$1.80.

PRATT'S FRUIT TREE SPRAY

A combined fungicide and insecticide containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. Sifter Top can 80c; 3 lb. bag, \$1.40. Add postage.

COMBATS ALL PLANT PESTS

Protexall, introduced by us as a one-shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment has been remarkably successful.

Protexall Contains: D. D. T., Rotenone, Fermate and Sulphur.

Protexall spray is a powder which mixes easily with water. Protexall Dust comes mixed with a spreader and is ready for instant use. It is necessary to order the form you prefer and have the equipment to use, since the spray material does not make an efficient dust, and the dust cannot be used as a spray.

Protexall Spray, 4 oz., \$1.25, 1 lb., \$3.75, prepaid; 5 lbs., \$17.50, F.O.B. Chicago or New York.

Protexall Dust, 1 lb., 95c, prepaid \$1.10; 4 lbs., \$3.50, prepaid \$3.85; 50 lbs., \$35.00, F.O.B. Chicago or New York.

KILLS RED SPIDER AND MITES

DIMITE

A quick, positive, long lasting contact control for mites and red spider damaging evergreens, flowers, fruit and shade trees, etc. Contains 25% Di (P-Chlorophenyl) Methyl Carbinol (DMC) in a water mixable solution. 2 oz., 69c each.



AZOFUME 10, 1 lb. 80c; postpaid 95c; 4 lbs., \$2.40, postpaid, \$2.75; 50 lbs., \$17.50.

Weed Killers

New Improved Weedone. Contains 2, 4-D plus 2, 4, 5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. 8 oz. covers 1500 sq. ft. Price each, \$1.00; postpaid, \$1.15. Gallon \$6.95; 5 gallon drum, \$25.00 each.

Weedar 64. A soluble salt of 2,4D which dissolves completely in water and does not clog nozzles, suitable for pre-emergent and post-emergent control of weeds in cereal crops, and for easy-to-kill weeds in turf and pasture.

1 gallon can, \$6.95; 5 gal. can, \$29.95; 30 gallon drum, \$169.50, F.O.B. Chicago or New York City.

Weedone Brush Killer 32. Butoxy Ethanol Ester Formulation 2, 4-D acid equivalent, 1 ½ lbs. per gallon. 2, 4, 5-T acid equivalent, ¾ lbs. per gallon. Price per gallon, \$10.75; 5 gallons, \$47.25.

Weedone Concentrate, 48. A high concentration of 2,4D ethyl ester, effective on both easy and hard to kill weeds, and in general the most economical form for large operations.

1 gallon can, \$6.40; 5 gallon can, \$28.95; 30 gallon drums, \$165.00, F.O.B. Chicago or New York.

Barweed. This is a liquid form of 2,4D. 8 oz. bottle sufficient to treat average lawn. Price per bottle 50c postpaid.

Herbicide is poisonous, live stock should be kept off the treated ground until the dead leaves wither away. For ordinary weeds herbicide is diluted with 50 times its volume in water. One gallon will cover 2,500 square feet. Qt. \$1.00; gal., \$2.50; 5 gals., \$10.00; 55 gals., \$57.50. By exp. collect.

AMMATE WEED KILLER (DUPONT)

(Ammonium Sulfamate.) A non-poisonous weed killer which can be applied by hand or sprayer, or can be applied dry. Will kill Poison Oak, Poison Ivy, Poison Sumac, Dandelions and Plantain. Use ¾ to 1 lb. to a gallon of water. Price, 2 lb. bottle, \$1.00; postpaid, \$1.10; 6 lb., \$2.70; 50 lb., drum, \$13.75.

Weedust. For lawns where weeds are few, and can be spot treated, this powder form of 2,4D is effective. Supplied in applicator can from which it can be dusted where desired. Safe to use on bent lawns. Large can enough to kill 1,000 weeds, 75c. Postpaid, 90c.

SELTOX CRAB GRASS KILLER

It contains phenol mercuric acetate solubilized, which has been proved in exhaustive tests to kill crab grass without injuring desirable lawn grasses. It can be used at any stage of growth, from the seedling stage to maturity, with equal effectiveness. Though a poison, it is mixed with water 100 times its bulk, and is easily handled with safety at all stages. Apply with watering can or sprayer. Complete directions on each bottle.

Quantity	Area Treated	Postpaid Price
8 oz.	1,000 sq. ft.	\$1.10
16 oz.	2,000 sq. ft.	1.65
Quart	4,000 sq. ft.	2.70
Gallon	16,000 sq. ft.	\$9.00 by exp. collect.

Plant Hormones

TRANSPLANTONE

One level teaspoon makes 10 gallons of solution, water your plants with Transplantone to get better roots, more vigorous growth and quality flowers ½ oz., pkt., 25c; 3 ounce can, \$1.00; 1 lb. can, \$4.00.

ROSETONE

A proven combination of Hormones and Vitamins. Insures the success of your roses. Soak roots of your bushes in Rosetone before planting. Water your established rose bushes for better growth. ½ oz. packet will treat three to four average size rose bushes. Price each ½ oz. packet, 25c; 3 oz., \$1.00. Full directions on package.

FRUITONE

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. Fruitone sprayed on flowers produce better set of seed and fruit, such as tomatoes, and beans. 2/5 oz. pkg., 25c; 2 oz. can, \$1.00, makes 25 gals. of spray; 8 oz. can, \$3.50.

Fruit-Hold. Prevents premature drop of fruit. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. ¾ oz., 50c; 2 oz., \$1.00; 8 oz., \$3.50.

ROOTONE

A hormone powder easy to use, which stimulates root development. No skill is needed to apply, just dip and plant. Price, ¼ oz. pkg., 25c; 2 oz. jar, enough to treat 3,000 cuttings, \$1.00; 1 lb. jar will treat up to 30,000 cuttings, \$5.00.

Rootone No. 10. For rooting of Azaleas, and other woody cuttings. 2 oz. jar, \$2.00; 1 lb. can, \$10.00.

Write for leaflet; all postpaid.

HORMODIN POWDERS

Stimulate Root Growth on Cuttings.

POWDER NO. 1. Designed primarily for use on Carnations, Chrysanthemums, Poinsettias, Roses; and similar types. Price, 1 ¼ oz. pkg., each, 50c; 1 lb., \$3.00.

POWDER NO. 2. Designed for use on less sensitive species, which comprise many of the semi-woody types and many of the common shrubs. Price, 1 ¼ oz., 75c; 1 lb., \$4.50.

POWDER NO. 3. Designed for use with the more resistant species which comprise most of the evergreens and dormant leafless cuttings. Price, 1 oz., \$1.00; ½ lb., \$4.50.

COMBINATION PACKAGE OF NO. 1-2-3. 1-oz. carton, each, 75c.



Floralife. Makes your cut flowers live longer. Pkt. to make 1 qt. solution, each, 10c, three pkts for 25c. Home size tin makes 30 qts., each, \$1.00; 100 qt. size, each, \$3.00; gift pkg., \$1.00.



Sprayway Mothproofer. Bomb as illustrated is trouble free and inexpensive to use. Leaves no stain or crystallization on fabric. Contains paradichloro-benzene plus other active moth repellents. Price each, \$1.39, postpaid, \$1.50.

Sprayway Aluminum Enamel Bomb like above. Fun to apply SPRAYWAY ALUMINUM PAINT. One coat covers rafters, fixtures and other equipment. Any surface—brick, metal or wood—will take a coat of SPRAYWAY ALUMINUM PAINT. Price each, \$1.39, post paid, \$1.50.

Dusters and Sprayers

Dusters

FEENEY MODEL C DUSTER

Splendid Hand Duster. Each, \$1.50, postpaid, \$1.60.

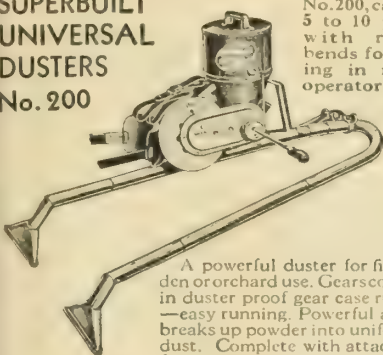
Dobbin's Improved Hand Duster



Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap. No. 132 Duster. . . . Each, \$2.25. Postpaid, \$2.40.

Write for price and leaflet on the large American Beauty Duster.

SUPERBUILT UNIVERSAL DUSTERS No. 200



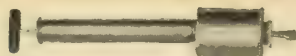
No. 200, capacity 5 to 10 pounds with return bends for dusting in rear of operator. Each, \$25.55.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting one or two rows.

BURN WEEDS AND PESTS

Flame Shooter Gun

General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weed and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$23.50 (weight, 17 lbs.)



No. 549 Chapin Hand Duster. One of the finest dusters. Handles all types of dust. Each, \$1.25, postpaid.

Sprayers

Dobbin's Deluxe Garden Sprayer.

A new high quality 2 gallon sprayer especially suitable for suburban and city home use. Streamline oval tank with ultra modern comfortable carrying handle. Appeals particularly to women. Can be used for all insecticides, fungicides and weed control chemicals. Complete with high pressure hose, extension and automatic shut off. Each \$11.85.



DOBBIN'S BIGHEAD SPRAYER



5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions 4 gallon capacity. No. 44G Galvanized tank Each \$13.45. Stainless steel each, \$23.20.

SMITH'S SPECIAL SPRAYER



A durable, low-priced sprayer, has a funnel top, made of heavy, galvanized steel as illustrated. 3 1/2 gallon capacity. Price, \$9.45.

Smiths Lighting Open Head. Extra heavy galv sprayer. 4 gal. Price \$10.75.



Jim Dandy Cart Sprayer

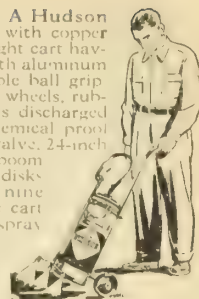
The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of 3/4 inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each \$37.00.



CHAMPION KNAPSACK SPRAYER

This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4 1/2 gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each \$28.38; with brass tank, \$31.78.

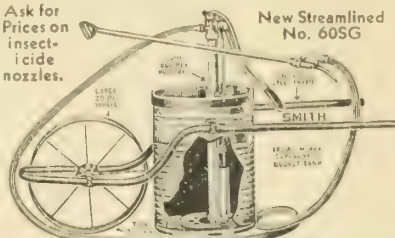
Special Sprayer for 2,4D. A Hudson 3 1/2 gallon pressure sprayer with copper tank fits as illustrated on a light cart having a steel frame and axle, with aluminum tube handle, with comfortable ball grip. The cart rides on 6-inch disc wheels, rubber tired. Spray material is discharged through a 2 1/2-inch oil and chemical proof hose, through brass control valve, 2 1/2-inch brass tube, and 18-in. brass boom with three nozzles, fitted with disks for flat-fan spray, spaced nine inches apart. As you roll the cart over the lawn at a slow walk, spray from the three nozzles will kill the grass. Complete, packed in two cartons, weight 15 lb. \$23.60. F.O.B. Chicago, Ill. or New York, N. Y.



WHEELBARROW SPRAYER

Ask for Prices on insecticide nozzles.

New Streamlined No. 605G

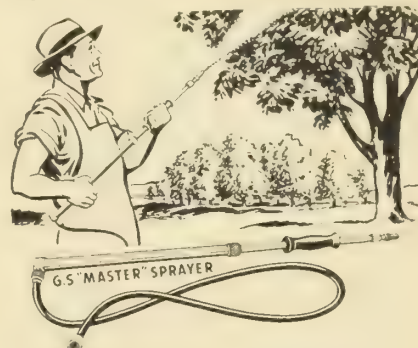


For spray solutions, disinfectants or whitewash. Develops 250 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle, etc. \$45.60. Shipping weight, 80 lbs.

No. 60 S.P.G. Same as above, but with pressure tank and gauge and iron wheel. Price, \$60.00.

UTILITY PORTABLE POWER SPRAYER

25 gal. steel tank, 1 1/2 H.P. engine, 12 1/2 ft. high pressure hose and adjustable spray gun with Rubber Tires. Price each, \$219.75. Write for leaflet.



G. S. MASTER SPRAYER

This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$6.95; Master Model with adjustable nozzle and 45 degree brass extension, each, \$8.95.



PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying. Galv. tank, \$1.75; tin, \$1.50

BLIZZARD COPPER CONTINUOUS SPRAYER



Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Pint size, \$4.95; quart size, \$5.65.

Garden Hose Applicators



Hayes Jr. Spray Gun

All Purpose Sprayer. Makes 4 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$8.45



Garden Hose Sprayer

WITH CRYSTAL CLEAR CARTRIDGE CHAMBER AND INSECTICIDE CARTRIDGES

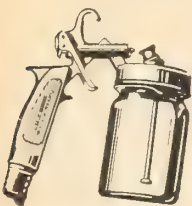
This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge and spray—as easy as watering your lawn. Brass finish, each, \$5.00. Chrome finish, stationary nozzle, each, \$5.50; with adjustable nozzle, \$6.50.

Arnold Weed-O-Spray Combination set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price \$1.75.

CARTRIDGES FOR GARDEN HOSE SPRAYERS

We can supply a complete line of cartridges. Rotonone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 45c; three for \$1.25; doz., \$4.80.

INSECT-O-GUN



This is a 3 gallon Lawn and Garden Insecticide Sprayer. The most compact, simple and easy to use sprayer available. Just put insecticide in the Pint Jar, attach to the Garden Hose, and the water pressure does all of the work. Eliminates pumping and carrying a heavy tank. Recommended for applying 2, 4-D for exterminating weeds. Price each, \$5.95.



Ross Root Feeder. Irrigates and feeds at the same time with 12 nutrient cartridges complete, \$4.98. Extra cartridges, carton of 12, \$1.00.

ROSS NO. 10 HAND SPRINKLER

Preferred by nursery men and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, \$1.45; postpaid, \$1.55.



Sprinklers



Swan Double Braid Green Garden Hose, No. 127.

Full 3/4 inch. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene, equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length coupled, \$11.75.

Swan Black Single Braid Hose, No. 705.

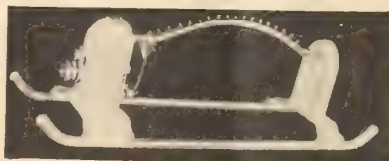
Full 3/4 inch. Same construction as above. Guaranteed for 5 years. 50 ft. length weighs 14 lbs. Price per 50 ft. length coupled, \$8.75.

Swanite Reinforced Plastic Garden Hose.

Single Braid, No. 867. 3/4 inch green, lightweight. Does not kink, fade, crack or rot or sun-check; with full nickel-plated, maxivolume coupling. Will withstand highest pressure. Guaranteed for ten years. Price per 50 ft. length, \$10.95.

Rubber Garden Hose.

3/4 inch, single braid, coupled, 50 ft. length, price \$7.95; 1/2 inch, double braid, coupled, 50 ft. length, price \$13.50.



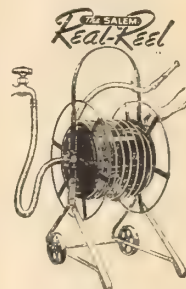
AVON MODEL NO. 950 LAWN AND GARDEN SPRINKLER

Mounted on sled-like frame that moves with ease by pulling hose to change its position. Covers about 1500 square feet or more, depending on water pressure, in a rectangular area 30 ft. on either side and 30 ft. in width. Price each, \$14.95.

Metco Wave Sprinkler, Model M, \$12.95. Model J, \$10.95.

HOSE REEL

The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Price each, \$14.95.



LINCOLN PARK OR BUTTERFLY SPRINKLER

Cheapest and best sprinkler made. Each, \$1.25; postpaid, \$1.35.

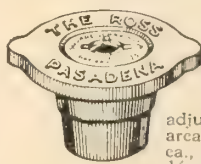


JUSTRITE BRASS HOSE NOZZLE

For lawn and garden. can be changed from fine spray to stream. 3/4 inch, each, \$1.35; by mail \$1.45.



ROSS SQUARE SPRAY HEADS



It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for 1/2 in. pipe, capacity 3 1/4 gals. per minute. Has a slotted adjusting screw to control the area of the spray. 54A. Price, ca., 75c; per doz., \$8.40. 64A. 1/2 or 3/4 circle heads. Price ca., 85c; doz., \$9.00.

IMPORTED RAFFIA

Add postage to your order if to go by mail.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors: dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

Raffia Fibre for Baskets, Etc. 5-lb. Lots

Bunch Lb. Per Lb.
Natural, Best Grade, about 2 oz. \$0.20 \$0.95 \$0.90
Colored, about 1 oz. .20 1.30 1.25

SOIL SOAKER



Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., \$1.80; No. 1, 18 ft., \$2.40; No. 2, 30 ft., \$3.75; No. 3, 50 ft., \$6.00.

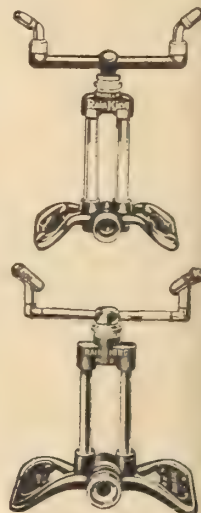
RAIN KING SPRINKLER MODEL H

Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel. 11 1/4 in. tall; 9 1/4 in. from nozzle to nozzle. Price ea., \$7.65. Shipping weight, 5 lbs.



Model K

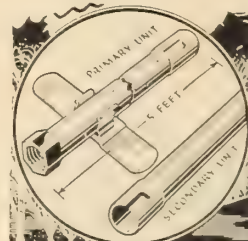
Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$8.50. Shipping weight, 5 lbs.



Model D

Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each \$5.95. Shipping weight, 4 lbs.

NATURAIN PERFORATED PIPE



Made of durable aluminum and stainless steel. Each section 5 feet long, weighs less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 foot lengths can be connected with a twist of the wrist. Primary unit with hose connection, price each, \$2.95; Secondary Units, each, \$2.75. With ordinary pressure five units can be used.

GENUINE DUNHAM

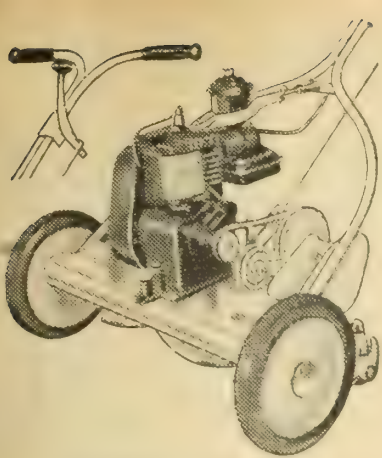
Water Weigh Rollers Lawn With Oilite Bearings

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.



No.	Diam. in.	Length in.	Wt. Empty	Wt. Filled	Price
1	12 1/2	18	30#	100#	\$11.00
2	14	24	68	175	16.95
4	18	24	82	265	20.00
7	24	24	110	420	27.00
*109	24	32	130	565	52.00

*With roller bearing

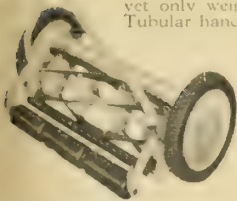


HEINEKE EXCELLO POWER LAWN MOWERS

Long-lasting, sturdy construction for maximum performance for the average size lawns. Stepped up power with Briggs and Stratton 1.1 H.P. air cooled 4 cycle engine. Light weight, easy to operate, positive clutch action, semi-pneumatic tires, all steel construction. Shipping weight 115 lbs. 18", each \$109.10. 21", with 1.6 H.P. engine, shipping weight 127 lbs., price each, \$123.75. 24", with 2 H.P. engine, with double traction rubber tire wheels, shipping weight 170 lbs., price each, \$189.75. Write us for pamphlets on these high grade power mowers.

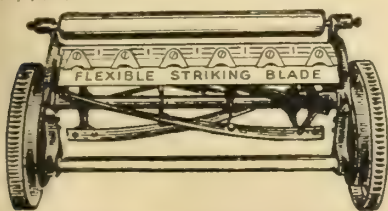
CLEMSON LAWN MOWER

Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, \$33.95.



GRASS CATCHER

Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall strength. Also adds to it all hand mowers from 14 to 18 inch widths. Price, each, \$2.85; postpaid, \$3.15. Large for all Power Mowers 18 to 24 inches. Each, \$4.25.

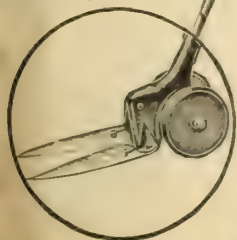


FLEXIBLE MOWER BLADES

No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid price \$2.00.

DOO-KLIP GRASS SHEARS

Long handle grass shear; does perfect trimming. Has only one handle. No extra covers to operate. The



Blades are made of case hardened steel, easily opened for sharpening by removing one nut. Price, \$3.85; postpaid, \$4.20.

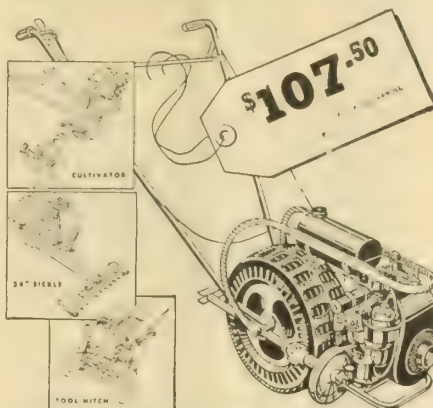
Short handle. Price each \$2.15; postpaid, \$2.35.



HUFFY ROTARY MOWERS

With latest improved features. Extension on handle helps to keep cord away from mower. Easier to manage. Quiet. Better way to mow lawns. Push the button and you are mowing. Four razor-sharp blades are free-swinging; retract if caught in, preventing damage. This extension helps you mow in either direction without turning mower. Write for descriptive leaflet.

Model 52-16 in. 1/2 H.P. electric, \$58.25 each.
Model 52-18 in. 1/2 H.P. electric, \$69.25 each.
Model 52-16PP, gasoline engine, \$85.75 each.
Model 52-18PP, gasoline engine, \$96.75 each.
100 ft. Extension Cord with plug, \$8.95.



GEORGE TRACTOR MODEL L.G.

Large 16 inch wheel with 6 inch wide tread pulls through everything. Ample power for all attachments. A ruggedly built, quality tractor.

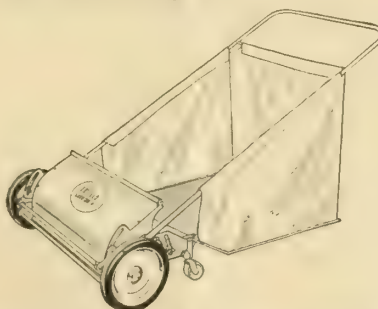
2 H.P. Briggs & Stratton engine. Belt type, rope starter, weight 100 lbs. Price, each \$107.50.
Cultivator, \$14.50.

Hitch for attaching any 16 inch or 18 inch hand mower, each, \$4.50.

24 inch Sickle Bar mower, each \$39.75.

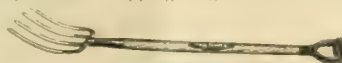
Snow Plow Blade, each \$10.75.

2 inch Take Off Pulley, 60c.



EXCELLO 24-In. LAWN SWEEPER

Save time and energy, eliminate tedious raking. Let the quiet Excello lawn Sweeper gently sweep leaves, grass clippings, small twigs, and paper from your lawn and driveway into a canvas basket with easy action. Width 24 in. All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self-adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. \$44.00.



IMPORTED ENGLISH LIGHTWEIGHT SPADING FORK AND SPADE

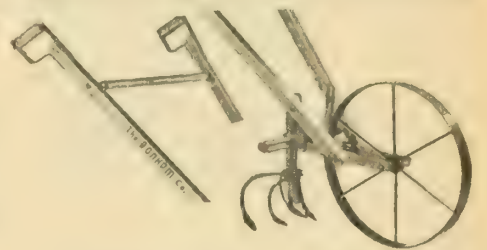
The handiest tools for transplanting large roots, shrubbery, plants, etc. Spading fork, \$3.50 each; spade, \$3.50 each. Set of both, \$6.75.

MASTERS HANDI-CART

Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size hopper of body 26 1/2 x 16 x 12 1/2 in. Price each, \$10.50.

No. 20-D, new Deluxe model with heavy tubular handle and rubber grips. Size of wheels, 10 in. diameter. Extreme overall width of cart, 25 in. Size of hopper body, 27 1/2 x 21 x 13 1/2 in. Price each, \$15.25.

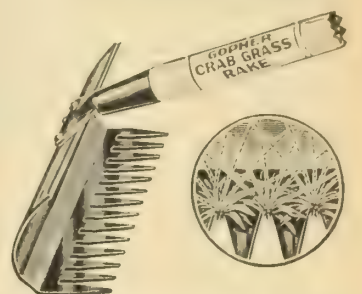
BONHAM GARDEN CULTIVATOR



Makes gardening a pleasure. Complete with cultivator teeth plow and furrower. All metal parts are dipped in weather-proof and rust resistant paint. Price each, \$4.45.

HANDY CRAB GRASS RAKE

This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass shear off the entire head of the plants and keep them from further seeding, ea., \$1.75.



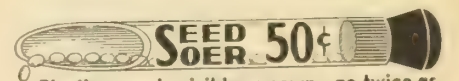
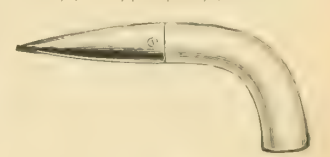
HOLE-IN-ONE BULB AND PLANT SETTER

Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, 95c; postpaid, \$1.05.

Long handle, each, \$6.85.

DIBBER

For transplanting vegetable plants, steel point (weight 10 oz.). Each, \$1.35; postpaid, \$1.45.



Plastic - seeds visible as sown - go twice as far. Saves thinning - for peas to petunias.

Postpaid, 60c.

Various Garden Needs

ALUMINUM GARDEN TROWEL

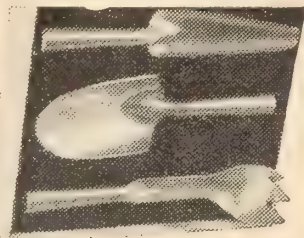
Made of all aluminum. One piece, heavy duty trowel, each 65c; postpaid 75c.
For transplanting, Aluminum, narrow, one piece. Each, 65c; postpaid, 75c.

STEEL GARDEN TROWEL

Made of high quality carbon steel with hard wood handle. Price each, 45c; postpaid, 55c.
All Steel Highest Quality. One piece steel shank. Price each, \$1.75; postpaid, \$1.85.

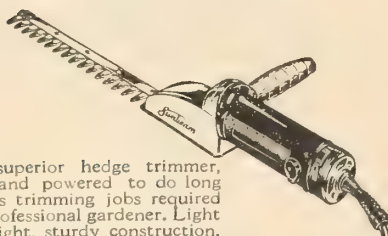
MELCO FEATHERLIGHT SET

Set of 3 for
\$3.95,
postpaid
\$4.25.
Un-
polished.
Set, \$2.30;
postpaid,
\$2.50.



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are rust-proof, and easily cleansed.

SUNBEAM ELECTRIC HEDGE TRIMMER



A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, \$46.25. Extra cord, 50 ft., \$4.50 100 ft., \$8.25.



PORTER ONE-HAND PRUNER

This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, \$6.75; postpaid, \$6.95.

THE PORTER POINTCUT PRUNER

Designed for the fruit grower. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. \$8.40. No. 2—27 inches long, will cut branches up to 1½ inches in green wood. Each, \$9.40.
No. 3—34 inches long for heavy pruning. Each, \$11.20



BUCKEYE PRUNER

A strong rugged pruner, handles reinforced by strap iron. 20 inch, each, \$3.50; postpaid, \$3.75; 26 inch, \$3.75; postpaid \$4.00.



Snap Cut Pruner. Heavy duty, full polished, \$2.75; postpaid, \$2.85.



Henckel Imported Pruning Shears Highest Quality

8½ inch full polished with replaceable coil spring. Each, \$4.95; 9½ inch, each, \$6.50; 8½ inch, with brass springs, each, \$5.50.

TELEPHONE TREE PRUNER

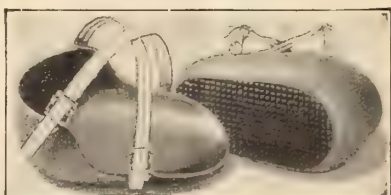
A strong rugged pruner with operating mechanism entirely in the pruner head. Head only, which can be fitted to any pole. Price, \$3.95.



CLYDE TREE PRUNERS

6 ft., each, \$4.00 10 ft., each, \$5.00
8 ft., each, 4.50 12 ft., each, 5.50

KNEE PADS



All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$2.25; postpaid, \$2.40.

Saxolin Duplex Crinkled Waterproof Tree Wrap



For covering the trunks of transplanted and newly set fruit and shade trees. Helps your stock to get off to a healthy start. Rolls, 4 inches wide, about 155 ft. to a roll. Weight about 2½ lbs. Each, \$1.00; postpaid, \$1.15; doz., \$10.20.

USE EROSIONET

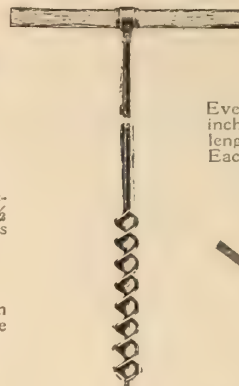
For New Lawns, Weak Lawns, and Stubborn Terraces



Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 28c; 25 yd. lots, 26c per yd.; 100 yd. lots, 25c per yd.; rolls of 250 yds., 24c per yd.

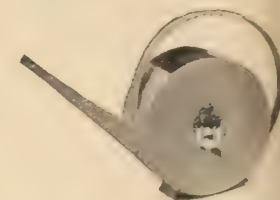


Glass Wool Mulch. Has been proved superior for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres, put up in bats; 24" x 96" in size and approximately 1½ inches thick at 1½ lbs. per cubic foot density. Price, per bat, \$1.60; three for \$4.50; carton of 9 \$12.75.



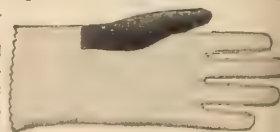
Greenlee Earth Auger

Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in. Each, \$5.75.



Decorative Watering Pot. Practical and handsome.

Sturdily constructed of metal Greenenameled with floral design. 2 qt. size price each, \$1.85; postpaid, \$2.00.



New Improved Green Thumb Gloves. Soft, washable for garden and house use. small, medium and large. Specify size when ordering. Price per pair, 89c; postpaid, 95c.



BLUETTES GARDEN GLOVES

Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining. In small, Medium and Large sizes. Price per pair, \$1.50, postpaid. Specify size when ordering.



Made of imported leather processed to make it pliable as kid and washable. Sizes for women, "Small," "Medium," \$1.65; for men, "Medium" and "Large." Price, \$1.75; a pair, postpaid.

METAL LAWN SIGNS

These attractive signs have raised letters, baked enamel finish, holes for attaching to stakes. Size, 3½ x 12 inches. Colors, green on white and black on white. Sign wordings — Please-Seeded — Keep Off The Grass. Signs with stakes, each, 50c; six for \$2.70.

KEEP OFF THE GRASS

Beautiful California Plantubs Made of Redwood



No. 1—12 in... \$4.00 ea.
No. 2—14 in... 5.50 ea.
No. 3—16 in... \$7.00 ea.
No. 4—18 in... 7.50 ea.
No. 5—20 in... \$8.25 ea.

For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. Grooved handles.

Flower Tubs "Richmond Style", Green.

Made of the finest lumber, securely bound with welded wire hoops. Painted green.

Top Dia.	Depth Inside	Price Each
8 in.	8 in.	\$1.50
10 in.	9 in.	2.00
12 in.	11 in.	2.65
14 in.	13 in.	3.65
16 in.	15 in.	4.75



Vaughan's Wick-fed METAL SEED STARTER



View of Wick-fed Starter with Plant Bands.
Size, 12x18 inches, 4 inches high.



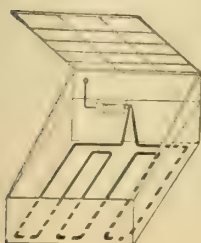
How wick is placed in bottom of starter. End view showing water pan below.

Complete, with Fibre Glass Wick, Plant Bands and Sphagnum Moss, For \$2.95
(Wt., 7 lbs.) Prepaid to 3rd zone (600 miles)
Add 35c for postage, if beyond 3rd zone.

This up-to-date metal seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many gardeners. This is full size "flat," made of 28 gauge steel, enameled green, which will last for years, and which you will be glad to have in your sun parlor or window.

It makes use of two of the most recent scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an overflow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.



GRO-QUICK Electric Seed Bed Heater

Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price \$6.75. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price \$9.00; Jr. cable only price \$2.25; Sr. cable only price \$4.50.

VITAPANE

A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$10.75; 1/2 roll, \$5.75; per yd., 85c.



SEED FLATS-WOOD

Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats.
No. 3.- 21 1/2 x 14 x 2 3/4 in. per bdl. of 10 \$6.10
No. 3-A.- 21 1/2 x 14 x 3 3/4 " " " " 6.80
No. 4.- 24 x 15 x 2 3/4 " " " " 7.15
No. 4-A.- 24 x 15 x 3 3/4 " " " " 7.85
We do not break bundles.

CEL-O-GLASS

Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth. Flexible, easy to handle and install. 3 ft. wide, Per yard \$1.85; 25 ft. roll \$10.75; 100 ft. roll \$37.50.

THERMOMETERS



Hotbed

Hotbed. All glass, each, \$2.25, postpaid. Self-Registering. With magnet to set it, 8-inch, each, \$10.00; registers highest and lowest temperature.

Thermometers shipped by parcel post at purchaser's risk only.

LIFELONG PLASTIC PLANT PROTECTORS



PLASTEX-HOT-HOUSE For centuries gardeners have covered young plants to protect them from late frosts, and speed up the harvest. The plastic age has made it possible to produce a life-long, unbreakable protector with unique advantages, at a low price. Plastex Hothouses come in two forms, oval, 5x8 in., 5 in. high, and round, 6 in. diameter, 6 in. high. Moulded of polystyrene, fully transparent and unbreakable. Tests prove they reduce hazards, speed up growth, and last indefinitely. Oval or round size, your choice, 12 for \$4.20; 25, \$7.50; 50, \$14.00. Prepaid

PLANT BANDS

Made of waterproof, mildew resistant material. Will last a full growing season.

30—2 in., per package, 35c; postpaid, 45c.

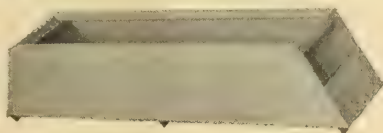
NEPONSET PAPER POTS (RED).

Made of waterproof paper, light, clean and unbreakable.

	Doz.	100	1000
2 1/2-in.	\$0.25	\$1.40	\$ 9.90
2 1/4-in. ....	.30	1.50	10.20
2 1/2-in. ....	.35	1.80	10.50
3-in. ....	.40	2.00	11.10
3 1/2-in. ....	.50	2.20	15.30
4-in. ....	.60	2.95	17.40
5-in. ....	.75	3.50	25.20
6-in. ....	.85	3.95	29.70

Write in for Prices on Hotbed Mats.

MOSS. MOSS Sphagnum. Burlapped bales. Ea., \$4.50. 1/4 bale, \$1.50.



Subirrigating Window Box. Attractive metal indoor window box designed to apply water at plant roots. Finished in pale green to blend handsomely with plant colors. Length 27 in., width 5 1/4 in., height 6 in. Sturdy steel construction. Each, \$3.45. Shipped by express only.



Sieves. For sifting soil. 18 inches in diameter, all size mesh from 1/4 to 1/2 inch. Each, \$2.85.



HOTKAPS

These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around them, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself, with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

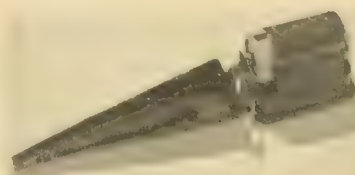
Prices: 1,000 lots, \$18.35; 5,000 lots, \$18.20 per M. 10,000 lots, \$18.05 per M; 25,000 lots, \$17.90; 250 Trial Package including Fibreboard Setter \$5.90; 100 Home Package, including Fibreboard Setter, \$3.15. Wt., 1,000 package HOTKAPS, 33 lbs.; 250 package, 10 lbs.; 100 package 5 lbs.; Fibreboard Setter alone, 25c; Steel Hotkap Setter, \$1.95.

Special Trial Garden Packages 25 Hotkaps

Including setter. Package of 25 Hotkaps and cardboard setter, 95c, postpaid \$1.10; package of 100, including fibreboard setter, \$3.15, postpaid, \$3.40.

SEED SOWER

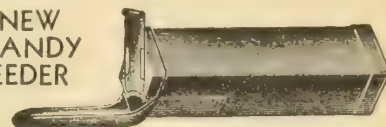
Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, \$4.30.



VIBRA SEEDER

A battery operated flower and vegetable seeder for commercial and home gardeners—fits palm of hand—will sow row or flat in fraction of time normally required. Operating cost one flashlight battery per season. A real time, labor and seed saver. Price each, \$2.25, postpaid.

NEW HANDY SEEDER



This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time. Price, each, 85c, postpaid.

GRAFTING WAX. Per 1/4 lb. bar, 35c; 1/2 lb. bar, 50c; 1 lb. bar, 80c.

Double Duty Plant Fountain Sprinkler

For sprinkling seedlings, plants and clothes. 8 oz. capacity, price each \$1.50 postpaid.

Streamlined Flower and Plant Boxes

All steel, leak-proof, made of 26 ga. steel. Finished in high lustre baked green enamel, 8 inches wide, 5 1/4 inches deep.

15 inch, price each, \$1.65; 24 inch, price each, \$2.00; 30 inch, price each, \$2.35; 36 inch, price each, \$2.65;



SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather.

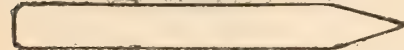
Prices, 1/2 peck bag, 40c; postpaid 50c. 1/2 bushel bag, 90c; 2 bushel bag, \$1.95. All shipped by express, charges collect.

Labels, Plant Supports, Protectors

Rose - Los Angeles

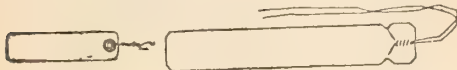
No. 31 **SIMPLEX Green/Weather-Proof Plant Labels.** Price includes copper wires for attaching and stylus with orders for 100. No. 31, size, 3x½ inch, per doz., 60c; per 100, \$3.75.

LABELS—Wooden. For pots, painted.



100 1000
4-inch....\$0.65 \$3.75 12-inch..\$2.10 \$18.50
6-inch.... .80 4.75

Tree, Labels Wired. 3½ in. 100, 75c; 1000, \$4.75.

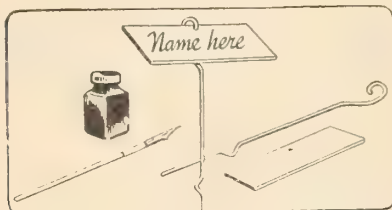


LABELS. Zinc, Tree. Wired 3½ inches long ¾ inch wide. Price, per doz., 35c; 100, \$2.25.

Perma Label Zinc—New Improved Type



Same as illustrated above. These labels do not have hole. They can be tied around twig or limb with one loop. Made of soft zinc, should last permanently. Price, per 100, \$1.35; 500 for \$6.00.



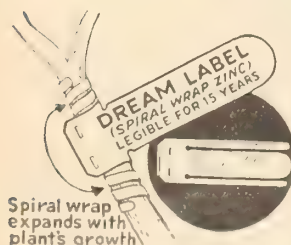
RAINBOW Garden Label

is a weather-proof label of masonite, ½ inch thick, 1½ x 3 inches, ¼-in. thick, coated with aluminum based waterproof paint. It is held at the right tilt to be legible from standing position, on 9 inch metal stake with swan-neck locking curve. Kit of 10 markers with ink and marking pen, \$1.00; postpaid, \$1.10. 14 inch stake kit of 12, complete \$1.25; postpaid \$1.40. 18 inch kit of 24, complete \$2.50; postpaid \$2.65.

VAUGHAN'S TRANSPARENT PERMANENT PLASTIC LABEL

Made of the plastic "styrene," which is as transparent as glass, but unbreakable, and weather proof, this label is provided with a tilted plaque, easily read from above, on which the name is written in a script red marking pencil. Small size, overall height 6 inches, plaque 2x4 in., doz., \$1.80; 100, \$13.50. Large size, overall length 12½ in., plaque 2½x5 in., doz. \$2.70; 100, \$20.00. Scripter red pencil, 25c.

DREAM SPIRAL WRAP ZINC LABELS

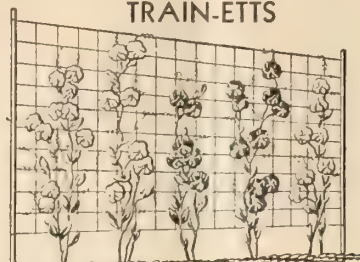


Spiral wrap expands with plants growth

The one and only permanent zinc metal label defying the elements. Size 1¼ x 4". Acid etched name and plant history (especially Roses, Azaleas, Shrubs, Trees, etc.) legible for 15 yrs. No chance of girdling. Wonderful for pot and perennial beds. Never rusts.

"Kit" size (average garden size) contains 24 Labels, with aniplex Etchant ink and applicator @ \$1.00 ea
"50 UNIT" size (for 50' x 100' premises) contains 50 Labels, Etchant and applicator @ \$1.75 ea
"100 UNIT" size contains 100 Labels but NO Etchant or applicator @ \$2.75 ea
"1000 UNIT" size for Estates, Orchards, Parks, and Cemeteries with large bottle of Etchant and applicator @ \$24.00 ea.

TRAIN-ETTS



New weatherized trellis netting. Ideal support for Sweet Peas, Morning Glories or any of the light climbing vines. Made in three sizes. No. 1, 60x72 in., 65c, each, postpaid, 75c. No. 2, 60x96 in., 85c, each, postpaid, 95c. No. 3, 60x180 in. \$1.25, each, postpaid, \$1.35.

TWISTEMS



New handy plant tie. A twist of the wrist and a plant is tied. They are dark green so they blend with the foliage. No twine, raffia or shears needed. Handy for tying tomatoes, peonies, dahlias, etc. 8-in. size, price per package of 100, 25c; postpaid 30c. 16-in. size, price per pkg. of 100, 50c; postpaid, 60c. 16-in. size, price per bundle of 250, \$1.25; postpaid, \$1.35. 250 ft. continuous roll, \$1.00; postpaid, \$1.15.

STAKES

STAKES—HEAVY TONKIN. Natural Color.

Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B. N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft....	½ to ¾ inch	\$1.75	\$11.00	\$2.00	\$11.50
5 ft....	¾ to 1 inch	2.20	12.25	2.50	13.00
6 ft....	1 to 1 ¼ inch	2.50	14.00	2.75	15.00
8 ft....	1 ½ to 2 inch	2.75	16.00	3.00	16.75

STAKES—WOODEN. Painted Green.

Heavy Grade (for Dahlias).	Per doz.	Per 100
3 ft.....	\$2.20	\$16.85
4 ft.....	2.95	21.50
5 ft.....	3.75	27.95
6 ft.....	4.10	32.95

Light Grade (for smaller plants)

Per doz.	100	Per doz.	100
1 ½ ft....	\$0.65 \$3.85	3 ½ ft....	\$1.80 \$13.50
2 ft....	.90 5.95	4 ft....	2.00 14.25
2 ½ ft....	1.20 7.95	5 ft....	2.65 18.95
3 ft....	1.50 10.75		

STAKES—BAMBOO. Painted Green.

100	1000	100	1000
1 ½ ft....	\$1.35 \$6.50	3 ft....	\$1.95 \$12.25
2 ft....	1.50 8.50	3 ½ ft....	2.35 14.25
2 ½ ft....	1.75 9.95	4 ft....	2.50 15.95
Bamboo not painted, 6ft.....	3.25		27.50

STAKES—Galvanized Wire.

No. 9 Wire Doz.	100	No. 8 Wire Doz.	100
1 ½ ft....	\$0.50 \$2.50	3 ½ ft....	\$0.85 \$4.75
2 ft....	.60 2.75	6 ft....	1.35 7.25
2 ½ ft....	.70 3.25		

Adjusto Plant Support



Adjusto Plant Support

Has a unique self-locking adjustable feature causing the hoop to positively stay where put, yet it can be instantly adjusted to any height desired. The heavy green painted wood stake ½ inch square will stand firmly in the ground. The hoop is of 8 gauge galvanized wire, 13 inches in diameter, and may be opened up to put around large plants. 3 ft., doz., \$4.45; 4 ft., doz., \$5.25; 5 ft., doz., \$5.85; extra wire hoops, doz. \$2.25.

PLANT PROPS



Help YOUR FLOWERS HOLD UP THEIR HEADS with PATENTED METAL PLANT PROPS. All heights shown are overall. Deduct 4" from 16 size and 6" from all other sizes for net height.

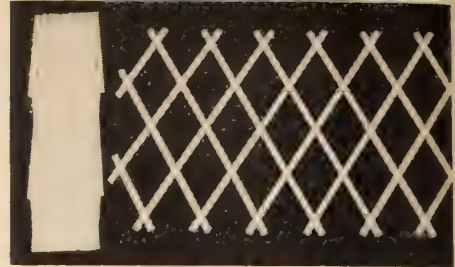
16" size stuck into ground 2½" for tulips, Hyacinths, Crocuses and other dwarf plants. 30" size (4" into ground) for Zinnias, Marigolds, Roses, etc.

42" size (5" into ground) for "Snaps", Delphiniums, Asters, Larkspur, Madonna lilies, etc.

66" size (6" into ground) for Giant Delphiniums, "Glads", Mums, etc.

78" size (7" into ground) for Dahlias, Hollyhocks, Rose Trees. Similar use for vegetable gardens, young trees, etc.

Processed stiff steel of varying thicknesses to suit a surplus of weight. Termite and rot proof. Almost invisible blending with plant. Prices on all sizes (overall) by the dozen—16" @ 65c, 30" @ \$1.50, 42" @ \$1.75, 66" @ \$2.85, 78" @ \$4.00.



Extension Trellis or Fence, painted white.

Stretches and contracts, it is inexpensive. Has many uses for trellis or fencing. Bends easily around corners, and folds when not in use. No. 22-8, can be expanded from 3 to 9 ft. long, from 15 to 29 in. high, weight, 3½ lbs., each \$2.85. No. 30-10 can be expanded from 3 to 14 ft. long, from 15 to 39 in. high, weight 4½ lbs., each, \$3.40. No. 44-12 can be expanded from 3 to 16½ ft. long, from 15 to 59 in. high, weight 8 lbs., each, \$6.25.



Ornamental Lawn Fans

Most popular and inexpensive. Are most substantially built in natural wood finish.

No. 106—Height, 72 in. Spread, 42 in. Price, each, \$2.25.

No. 108—Height, 96 in. Spread, 60 in. Price, each, \$3.00.

Wayward Vine Guide and Support

For Training and Supporting Ivy, Small Fruiting Trees and all other Vines, etc. on Brick, Stucco, Stone and Cement Walls without Defacing. No Nails—No Holes. Price, box of 25, including cement, \$1.00; postpaid, \$1.10.



METAL WICKET SHIELD

Green enameled sturdy steel shields that protect shrubs, lawns, garden borders, trees, etc. Inconspicuous because color blends with foliage. No prongs to tear. Twelve Wickets overlapped 2" makes a practical "Keep Off Please" fence about 12' long. Price per dozen \$2.25. Carton of six dozen, \$12.50.

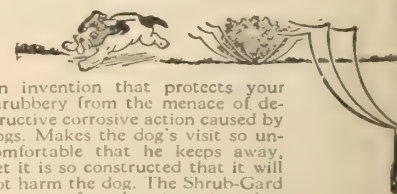
PROTECTION FENCE RODS or Tomato Rods

Stiff hardened ¼" dia. Steel Rods green enameled with two "eyes" to support two rows of clothes line, heavy twine, or wire. No prongs to damage anything. Handy and safe protection to lawns, trees, shrubs, and gardens against humans and pets. Also very popular for "cradling" peonies, tomatoes, and bushy plants.



33" (overall) size @ \$1.95 per doz.
48" (overall) size @ 2.40 per doz.

SHRUB-GARD



An invention that protects your shrubbery from the menace of destructive corrosive action caused by dogs. Makes the dog's visit so uncomfortable that he keeps away, yet it is so constructed that it will not harm the dog. The Shrub-Gard is a unit of steel spring wires that are flexible and will not tear clothing of passersby. Each Shrub-Gard has three prongs and covers approximately two and one half linear feet. Harmless to dogs or humans. Packed one dozen to a carton. Weight 2½ lbs. Price per carton of dozen, \$3.75; postpaid, \$4.10.

WREN HOUSE No. 1



This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.40; postpaid, \$2.55.

Blue Bird House No. 5 similar to the above, stained brown. \$1.80; postpaid \$1.95

MARTIN HOUSE No. X215

Twenty compartment painted. \$21.90. Two stories high. Stained two coats in hand green, \$27.00. No. X315. Twenty-compartment, three stories high, unpainted, \$30.00. Painted two coats white and green, \$40.00. Crating charge, \$1.50 extra. Erection pole Martin House, \$15.00.



FS 21. Garden Craft Feeding Station

This is one of the most successful and efficient bird feeders. It is equipped with a double weather vane, keeps the shell end headed into wind, thus keeping food dry in rainy or dry weather.



24x12x12. Shipping weight 16 lbs.
Stained brown, \$9.30
Stained with glass back, \$12.30
Erection Post bored for mounting rod, \$2.75

Dandy Denny Bird Feeder, made of clear California Redwood and entirely fastened with solid brass hardware and screws. Price each, \$4.95, postpaid, \$5.35.

FS. 10. Garden Craft Bird Feeder

This cleverly constructed feeder will provide endless pleasure and satisfaction to bird lovers. You will more than repaid for your generosity in providing for your feathered friends during the early spring, late fall and winter months. Size 10 in. Shipping weight, \$2.70; postpaid, \$2.90.

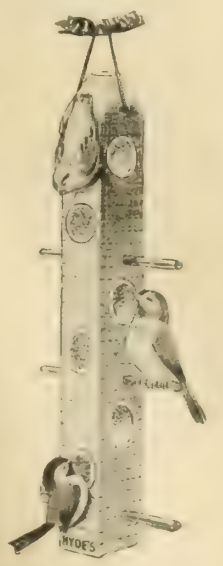


Erection pole with arm... \$1.60. (Not mailable)



Robin Roost No. 4 Robins will not occupy a nesting box, but will sit on a covered shelf which allows them to see on at least three sides. Stained brown — each, \$1.70; Postpaid \$2.85; or \$7.80. By express.

Community Diner, for all Picnic Grounds, for clinging and perching birds. No. CDD, each, \$1.75; postpaid, \$1.90; No. CDE, each with 24 extra tides each, \$2.80, postpaid, \$3.00. CT24, containing 24 extra tides, each, \$1.35; postpaid, \$1.50.

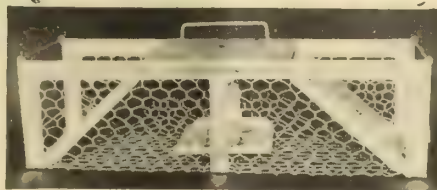


IMPROVED ORNAMENTAL BIRD BATH



The ornamental frame is in wrought iron finish, the bowl has an aluminum finish with non-skid deeper bowl. The bath stands about 30 inches above the ground and the bowl is 16 inches in diameter. A child or animal can hardly be hurt by the tipping of this light bird bath. It takes less than a minute to assemble. This bird bath weighs only 9 lbs. Price each, \$4.95. Postage extra.

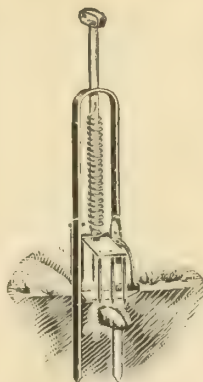
HAVAHART ANIMAL TRAPS



No. 1—5x5x18 in. For weasels, rats and chipmunks, each, \$3.50.
No. 2—7x7x24 in. For muskrats, mink, squirrels and rabbits, each, \$4.50.

No. 200 REDDICK MOLE TRAP

Self setting. Trigger sets automatically. Needle sharp tines. Sturdy construction. Each, \$2.25; postpaid, \$2.45.



RODENT ROCKETS



Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot". Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc. 3 for 40c; dozen, \$1.50.



10 FLYING DISKS with complete instructions, only 25c

PEST EXTERMINATORS



Ant-X-Trap. Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price, 25c; six for \$1.25.

Ant-X Jelly Bait. Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, \$1.00; Industrial size, 5-lb. pail, \$15.00.

Dog-Check. The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, 60c; 8-oz. size, \$1.00; 32-oz. size, \$3.00; gallon, \$11.50.

Rat-Nots. Safe way to exterminate rats. Prepared Bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 25c; Estate size, 50 Nots, \$1.00.



Mouse-Nots. Impregnated seed; prepacked seed bait kills mice. Trial size package, 9 Nots, 25c; Estate size, 50 Nots, \$1.00.

Mole Nots. Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, \$1.00; Jumbo size, 125 Nots, \$2.00; Gardener size, 400 Nots \$5.00; Giant size, 1,000 Nots \$10.00.

Roach-Nots. Semi-toxic insecticide in prepared bait form. Very effective in controlling Roaches. Trial size, 9 Nots, 25c; Estate size, 50 Nots \$1.00.

Antu Rat Paste. Contains 5% Antu. Is mixed ready to apply on bait. 1 oz. tube, 35c; postpaid, 45c; 4 oz. tube, \$1.00; postpaid, \$1.10.

Rabbit Repellent

With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "natural" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 50c, postpaid 65c; 5 lb. bag, \$1.75, postpaid \$2.10.



Chaperone Powder Dog Repellent

A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, \$1.00.

Chaperone Liquid Dog Repellent

For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz. bottle, 50c; 8 oz. can, \$1.00.

Kitty Chaperone

Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. 1 oz. cone, 50c; 3 oz. cone, \$1.00.

MOIST-SHUR PLANTRAY

Green Rubber unbreakable saucers. Will protect pottery and furniture. Has an absorbent center pad which feeds water back to the roots of the plant. Under side of tray is raised to provide ventilation.



No. 1, takes up to a 6 inch pot, price each, 40c; per dozen, \$3.80.

No. 2, takes up to 8 inch pot, price each, 70c; per dozen, \$7.80.

No. 3, takes up to 12 inch pot, price each, \$1.35; per dozen, \$15.00.

Lawn Seed, Fancy Grasses and Field Seed

For Lawn Seed Mixtures, See Page 4. All Prices Prepaid, Except where Specifically Noted.
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

VAUGHAN'S SPECIAL PURPOSE MIXTURES

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

For Your Protection—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

VAUGHAN'S "COLUMBIAN"

Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.40; 20 lbs., \$21.75; 25 lbs., \$27.00; 100 lbs., \$104.00.

VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.40; 20 lbs., \$21.75; 25 lbs., \$27.00; 100 lbs., \$104.00.

VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., 90c; 2 lbs., \$1.80; 3 lbs., \$2.65; 5 lbs., \$4.35; 10 lbs., \$8.50; 15 lbs., \$12.65; 20 lbs., \$16.75; 25 lbs., \$20.75; 100 lbs., \$79.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.



BENT LAWNS FROM CERTIFIED SEED

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

ASTORIA BENT. Astoria Bent is identified by its numerous root-stocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent. We highly recommend this type.

SEASIDE BENT. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

ASTORIA BENT GRASS. 1/2 lb., \$1.05; 1 lb., \$1.85; 2 lbs., \$3.70; 3 lbs., \$5.50; 5 lbs., \$9.00; 10 lbs., \$17.75; 15 lbs., \$26.25; 20 lbs., \$34.60; 25 lbs., \$42.50.

SEASIDE CREEPING BENT GRASS. 1/2 lb., \$1.00; 1 lb., \$1.80; 2 lbs., \$3.60; 3 lbs., \$5.35; 5 lbs., \$8.25; 10 lbs., \$16.25; 15 lbs., \$24.00; 20 lbs., \$31.60; 25 lbs., \$38.75.

Fancy Kentucky Blue Grass POA PRATENSIS

EXTRA HEAVY SUN-CURED SEED. 98% pure seed. Price, 1/2 lb., 70c; 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.85; 5 lbs., \$6.35; 10 lbs., \$12.50; 15 lbs., \$18.65; 20 lbs., \$24.75; 25 lbs., \$30.75; 50 lbs., \$60.00.

FANCY SEED, actual weight, 21 lbs. per bu. (Standard grade of re-cleaned blue grass.) Price, 1/2 lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.20; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 15 lbs., \$15.65; 20 lbs., \$20.75; 25 lbs., \$25.75; 50 lbs., \$50.00.

CANADA BLUE GRASS (Poa compressa)

Valuable on poor soils and clay. It does not make so dense a growth as the Kentucky Blue Grass, and color is not so pleasing. Used particularly for pastures. Sow 40 to 60 lbs. per acre for pasture; in Fall or Spring. Price, 1 lb., \$1.10; 5 lbs., \$5.35; 10 lbs., \$10.00; 25 lbs., \$25.75.

RED TOP GRASS (Agrostis alba)

EXTRA FANCY, re-cleaned solid seed. Price, 1/2 lb., 55c; 1 lb., \$1.00; 2 lbs., \$2.00; 3 lbs., \$2.95; 5 lbs., \$4.85; 10 lbs., \$9.50; 15 lbs., \$14.15; 25 lbs., \$23.25; 50 lbs., \$45.00.

WHITE CLOVER

EXTRA FANCY SEED. Price, 1/2 lb., 45c; 1 lb., 85c; 1 lb., \$1.00; 2 lbs., \$3.20; 3 lbs., \$4.75; 5 lbs., \$7.75; 10 lbs., \$15.25; 15 lbs., \$22.50; 20 lbs., \$29.40; 25 lbs., \$35.75.

NEW ZEALAND WILD WHITE CLOVER

Price, 1/2 lb., \$1.10; 1 lb., \$2.00; 3 lbs., \$5.85; 5 lbs., \$9.50; 10 lbs., \$18.00; 25 lbs., \$43.75.

All Grasses and Field Seed Prices are Subject to Change Without Notice.

Fescues

CHEWING'S FESCUE. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.60; 2 lbs., \$3.20; 3 lbs., \$4.75; 5 lbs., \$7.85; 10 lbs., \$15.50; 15 lbs., \$23.00; 20 lbs., \$31.00; 25 lbs., \$37.50; 50 lbs., \$70.00.

CREEPING RED FESCUE. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.60; 2 lbs., \$3.20; 3 lbs., \$4.75; 5 lbs., \$7.85; 10 lbs., \$15.50; 15 lbs., \$23.00; 20 lbs., \$31.00; 25 lbs., \$37.50; 50 lbs., \$70.00.

ALTA FESCUE. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lbs., \$1.30; 5 lbs., \$6.35; 10 lbs., \$12.50; 25 lbs., \$30.75.

POA TRIVIALIS (Rough Blue Grass)

A grass for moist, shady spots. 1/2 lb., 60c; 1 lb., \$1.15; 2 lbs., \$2.30; 3 lbs., \$3.40; 5 lbs., \$5.60; 10 lbs., \$11.00; 15 lbs., \$16.40; 20 lbs., \$21.75; 25 lbs., \$27.00; 50 lbs., \$52.50.

Miscellaneous

TIMOTHY (PHEUM PRATENSE). Most popular of all hay grasses. Vaughan's Fancy seed (99.5% pure or better) Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.10; 5 lbs., \$1.50—Postpaid. By Freight collect, 1/2 bu., \$5.00; 1 bu., (45 lbs.) \$9.00; 100 lbs., \$20.00. Grain bags included.

Write for Complete Price List of Field Seeds and Hybrid Field Corn or let us know your requirements and we will be glad to quote special quantity prices.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE). A lawn grass where quick results are wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.15; 20 lbs., \$6.70; 25 lbs., \$8.25; 50 lbs., \$16.00; 100 lbs., \$30.00.

COMMON RYE GRASS. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price, 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

BIRD SEED

RAPE. Large—sweet (not bitter like the small black) 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.50.

SUNFLOWER. 1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.65; 25 lbs., \$7.70.

CANARY SEED. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S CANARY MIXTURE. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

FINCH SEED. 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.60.

PARAKEET SEED. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

VAUGHAN'S WILD BIRD FEEDING MIXTURE. (As recommended by the Illinois Audubon Society). 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.10; 100 lbs., \$14.00

All Prices Prepaid within 500 Miles of Chicago; Otherwise Collect.

Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

Continued on
Next Page

CABLE ADDRESS
VAUGHAN, CHICAGO
CAROTIDA, NEW YORK

NURSERIES,
WESTERN SPRINGS, ILL.

Vaughan's Seed Company

NEW YORK 7,
47-49 BARCLAY ST.

GENERAL OFFICES AND WAREHOUSES
601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

CHICAGO LOOP STORE
10-12 W. RANDOLPH ST.

Phone: Chicago Franklin 2-7560

New York Barclay 7-4020

HOW TO ORDER

How to Order: Please follow these instructions, and fill out order sheets carefully. Give correct address, with Delivery Zone, if you are in a large city.

Seed and Bulb Orders: Write quantities distinctly in the column provided and attach prices.

Plant and Tree Orders: State quantity, size or age of each variety, with prices attached.

C. O. D. Orders: No bulbs, trees, plants or other perishable stock, are sent C. O. D.

Remittance: Please remit by money order or check. Do not send currency unless registered.

Mistakes: If there is any error in filling your order, write us at once **returning your order if a paid order** or your invoice if a charge order, for quick investigation and adjustment.

Charge Accounts. Customers desiring to open charge accounts are cordially invited to inform our credit department, which will be pleased to make the necessary arrangements.

RETAIL STORES OF VAUGHAN'S SEED COMPANY

All items listed in this catalogue may be ordered, and immediate delivery usually obtained at the following retail outlets of Vaughan's Seed Company. Should any wanted items be temporarily out of stock they can be obtained through these outlets with a minimum delay.

IN AND NEAR CHICAGO, ILL.

10 W. Randolph St., just west of State, Chicago, 1, Ill.
601 W. Jackson Blvd., Jackson and Jefferson, one block from Union
Depot, Chicago 6, Ill.

Vaughan's Garden Center, W. 47th Street and Willow Springs Road,
Western Springs, Ill.

IN AND NEAR NEW YORK CITY

47 Barclay St., two blocks from the Woolworth building, New York City.
Vaughan's Garden Center, Fulton and Merrick Avenue, East Hempstead,
Long Island, N. Y.

OUR GUARANTEE

All our stocks are sold under the following conditions:

We guarantee the vitality and purity of Vaughan's Seeds and Bulbs to the full amount of the purchase price. You can have your money back any time within a year if you are not satisfied with the results. Even with the highest quality seeds and bulbs, success in gardening depends largely upon cultivation, soil, and weather conditions. Therefore, in no case, shall Vaughan's Seed Co., be liable for more than the amount actually paid us for seeds, bulbs or plants.

Complaints on Plants and Nursery Stock must be made within three months after delivery.

DELIVERY

All flower seeds, vegetable seeds, lawn seeds and bulbs prepaid.

All Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense. Exceptions to this rule are specifically noted in the offers.

All Water Lilies by mail or express at buyer's expense, except where otherwise specifically stated.

All Roses, Trees, Shrubs are shipped from Western Springs at buyer's expense. Perennial Plants are shipped from Kalamazoo, Mich., at buyer's expense.

All tools and supplies, including insecticides and fertilizers (except as specified on Page 79), are F. O. B. Chicago or New York and shipped at buyer's expense.

Purchases for \$2.00 or more made at our loop store, 10 W. Randolph St., delivered free within a 25 mile radius except fertilizers and peat moss weighing more than 100 pounds, dog food and bird gravel, which items are shipped at buyer's expense. This offer is subject to change without notice.

These special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

Express Shipments: General orders for garden seeds with heavy weights of corn, beans, fertilizers, etc., should go by express, freight, or truck, also all shipments containing breakables.

All Trees, Shrubs, Bulbs and Hardy Plants are shipped as soon as weather permits. State plainly date and manner of shipping you wish.

Parcel Post Rates By Zones

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U.S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction	
		2 to 10 lbs.	11 to 70 lbs.
Local—Chicago or New York City.....	10c	1c	0.75c
First and Second Zone within 150 miles of either...	12c	2.1c	2c
Third Zone within 150 to 300 miles.....	13c	3c	2.8c
Fourth Zone within 300 to 600 miles.....	14c	4.5c	4.25c
Fifth Zone within 600 to 1000 miles.....	15c	6c	5.5c
Sixth Zone within 1000 to 1400 miles.....	16c	7.5c	7.25c
Seventh Zone within 1400 to 1800 miles.....	17c	9.5c	9.25c
Eighth Zone all over 1800 miles.....	18c	11.5c	11.25c

This includes tax on first 33c. For larger amounts add 3% which is the equivalent of 1c for each 33c of postage.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

[illegible]



Everyone Can Grow
**GLAMOROUS
 BEGONIAS**

20 Imported Tubers \$2⁰⁰
4 each of 5 Colors PRE-PAID

THESE ARE THE COLORS:

Red, White, Pink, Orange, Yellow

All Tubers 1¼-1½ Inches in Diameter, Each Color Separately Bagged and Labeled

Tuberous rooted begonias, largest and loveliest of summer garden flowers, are rapidly becoming one of the most popular subjects with amateurs in all parts of the country.

Thousands of beginners tried them last summer and many have written to tell us of the success they had. They are not difficult to grow when given their simple requirements as to soil, light, temperature and water. On the contrary, they are among the easiest of all flowers for the amateur to start under protection and move outdoors to a selected place prepared for them.

They will thrive in a shady place, where you have difficulty growing other flowers. They not only beautify the garden, but their cut blooms are long-lasting and spectacular in bowl arrangements. Begonia corsages have begun to rival orchids in popularity. National magazines have published color pictures of their gorgeous blooms.

If the simple formula of their culture which we supply is followed, they will reward you more bountifully than any other flower you can grow, bearing throughout the summer flowers which increase in size and beauty, until frosts kill the plants in the fall. The tubers can then be lifted and kept over winter, as easy as gladiolus bulbs.



**Tuberous Rooted
 Begonias**

Imported Double Camellia-Flowered

Red, White, Pink, Salmon, Orange, Yellow

	Each	Dozen	100
1½-2 inch.....	\$0.20	\$2.00	\$15.00
2 inch.....	.30	3.00	20.00

Imported Carnation-Flowered

	Each	Dozen	100
1¼-1½ inch.....	\$0.20	\$2.00	\$15.00
1½-2½ inch.....	.35	3.50	27.00

ALL PRICES PREPAID



SPOTLIGHT



RED CHARM



ELIZABETH, THE QUEEN



MISS WISCONSIN

VAUGHAN'S FAMOUS

Rainbow Garden of Gladioli

Fifty-six flowering size bulbs, 8 each of the 7 outstanding varieties. **\$2**
Each variety separately bagged and labeled. Prepaid 600 miles for

This Is Not a Mixture

It is a collection of 7 of the most beautiful gladioli, so far excelling ordinary varieties there is no comparison. Bulbs of each variety come separately bagged and labeled by name. You can plant them in a studied arrangement, tell your admiring friends their correct names, and exhibit them by name in your local flower show. All bulbs are of flowering size, young and vigorous, the kind we use to grow exhibition flowers. Every bulb will flower if planted according to directions. They will also multiply and produce a crop of new bulbs for planting next year. Your purchase will be a long-term investment in gladiolus beauty.

Varieties in our 1951 Rainbow Gladiolus offer are champions in their various colors, frequent winners of prizes in flower shows.

These are the Varieties

SPOTLIGHT (Palmer). Spectacular yellow, winner at big shows.

RED CHARM (Butt). One of finest medium reds, unfading.

MISS WISCONSIN (Kreuger) Ex. Rose pink Champion, huge flowers, self color.

ETHEL CAVE COLE (Cave). Ex. Spectacular spike of delicate pink, consistent show winner.

ELIZABETH THE QUEEN (White). Ex. Beautifully ruffled lavender, best of its color.

MARGARET BEATON (Twomey). Ex. Huge white with orange-scarlet blotch in throat.

PICARDY (Palmer). Ex. Still acknowledged champion of all.

Half Portion \$1
Prepaid 600 Miles
Four Each of 7 Varieties Listed

Reports From Customers

Kenosha, Wis., Oct. 5.
This spring I purchased your Rainbow Garden of Gladioli. I planted them in richly fertilized soil, fed them with liquid plant food as they grew and watered well. When they bloomed I had pure magnificence in my garden. Some of the bloom stalks were as high as 6 feet, loaded with flowers, some 5 inches across. Several had 24 individual florets. If the tulips I ordered do as well as the glad bulbs I shall shout the praises of Vaughan's material to the skies.
C.P.H.

Nauvoo, Ill., Oct. 19.
I thank you for the pleasure I had from the Rainbow Garden of Gladioli ordered in the spring. The flowers were beautiful. Dug the bulbs today and they are very large.
Mrs. S.H.

Fond du Lac, Wis., June 15.
I have always had good success with your bulbs and received many compliments on the beauty and size of the flowers. I have had glads as high as 4½ feet with blossoms up to 7 inches in diameter. They average about 5 inches. I have never been bothered with thrips in the bulbs I received from you.
Mrs. R.E.G.

Mt. Sterling, O. August 27.
Last year I sent for and received your famous Rainbow Garden of Gladioli. They were perfectly gorgeous and everyone wanted to know where they came from.
Mrs. A.H.H.

Mt. Carroll, Ill., Sept. 4.
Enclosed is a picture of a basket of your gladioli. It won first prize and was the outstanding basket at the Carroll County Flower Show. I have grown your prize winning Glads for ten years.
Mrs. O.H.

Wyndham, Conn. March 12.
The Rainbow Garden of Gladioli which I purchased last year were a wonderful success. The bulbs gave simply gorgeous blooms, and were much admired.
S.E.N.

Lovely Pink Lily



LILIUM SPECIOSUM RUBRUM
8-9 INCH, 3 FOR \$1.00

We are able to offer at the lowest prices since war ended, this most beautiful of pink lilies which is also the easiest to grow. It is seldom attacked by disease, and perfectly hardy, living for years in the coldest sections of the country when planted in a well drained place.

It grows slowly, with sturdy stems reaching a height of 4 feet, and blooms in late August and early September, producing clusters of flowers many of which reach 6 inches in diameter.

The frilly petals are white, but so flushed with deep pink that only the margins are clear white; and numerous dots of carmine decorate the petals. These are reflexed, or turned back, while long stamens and pistil project with decorative effect.

It requires no special type of soil, or culture, but grows vigorously in ordinary garden soil which is well drained. Planting instructions are sent with the bulbs.